ANTIBODIES ONLINE

Datasheet for ABIN625585 Human Cytokine Array G5

12 Publications



Overview

4 samples
Human
Sandwich ELISA
Antibody Array (AA)
G-Series Human Cytokine Antibody Array 5 Kit. Detects 80 Human Cytokines. Suitable for all
liquid sample types.
RayBio®
Serum, Plasma, Cell Culture Supernatant, Cell Lysate, Tissue Lysate
Semi-Quantitative
Fluorometric
ENA-78 (CXCL5), GCSF, GM-CSF, GRO alpha/beta/gamma, GRO alpha (CXCL1), I-309 (TCA-
3/CCL1), IL-1 alpha (IL-1 F1), IL-1 beta (IL-1 F2), IL-2, IL-3, IL-4, IL-5, IL-6, IL-7, IL-8 (CXCL8), IL-10,
IL-12 p40/p70, IL-13, IL-15, IFN-gamma, MCP-1 (CCL2), MCP-2 (CCL8), MCP-3 (MARC/CCL7),
M-CSF, MDC (CCL22), MIG (CXCL9), MIP-1 beta (CCL4), MIP-1 delta (CCL15), RANTES (CCL5),
SCF, SDF-1 alpha (CXCL12 alpha), TARC (CCL17), TGF beta 1, TNF alpha, TNF beta (TNFSF1B),
EGF, IGF-1, Angiogenin, Oncostatin M, Thrombopoietin (TPO), VEGF-A, PDGF-BB, Leptin, BDNF,
BLC (CXCL13), Ck beta 8-1 (CCL23), Eotaxin-1 (CCL11), Eotaxin-2 (MPIF-2/CCL24), Eotaxin-3
(CCL26), FGF-4, FGF-6, FGF-7 (KGF), FGF-9, Flt-3 Ligand, Fractalkine (CX3CL1), GCP-2 (CXCL6),
GDNF, HGF, IGFBP-1, IGFBP-2, IGFBP-3, IGFBP-4, IL-16, IP-10 (CXCL10), LIF, Light (TNFSF14),
MCP-4 (CCL13), MIF, MIP-3 alpha (CCL20), NAP-2 (PPBP/CXCL7), NT-3, NT-4, Osteopontin

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/6 | Product datasheet for ABIN625585 | 07/26/2024 | Copyright antibodies-online. All rights reserved.

	(SPP1), Osteoprotegerin (TNFRSF11B), PARC (CCL18), PLGF, TGF beta 2, TGF beta 3, TIMP-1,
	TIMP-2
Characteristics:	High sensitivity and specificity
	 Low sample volume (10-100 µL per array)
	Large dynamic range of detection
	Compatible with most sample types
	Test 4 or 8 samples on each slide Suitable for bigh throughput appage
	Suitable for high-throughput assays
Components:	Cytokine Antibody Array glass slide (4 or 8 arrays per slide)
	Biotinylated Detection Antibodies
	Streptavidin-conjugated HiLytePlus™ 555 Fluor
	Blocking Buffer
	20X Wash Buffer I
	20X Wash Buffer II
	2X Cell Lysis Buffer
	G-Series Antibody Array accessories
	Accessories include: 16-well incubation chamber with gasket, protective cover, snap-on sides,
	adhesive film
Material not included:	Small plastic boxes or containers
	Pipettors, pipette tips and other common lab consumables
	Orbital shaker or oscillating rocker
	Aluminum foil
	Gene microarray scanner or similar laser fluorescence scanner
Target Details	
Background:	Cytokines play an important role in innate immunity, apoptosis, angiogenesis, cell growth and
	differentiation. They are involved in interactions between different cell types, cellular responses
	to environmental conditions, and maintenance of homeostasis. In addition, cytokines are also
	involved in most disease processes, including cancer and cardiac diseases.
Application Details	
Application Notes:	Completely cover array area with sample or buffer during incubation. Avoid foaming during
Application NOLES.	completely cover allay area with Sample of burler during incubation. Avoid roaming during

incubation steps. Perform all incubation and wash steps under gentle rocking or rotation. Cover the incubation chamber with adhesive film during incubation, particularly when incubation is

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/6 | Product datasheet for ABIN625585 | 07/26/2024 | Copyright antibodies-online. All rights reserved.

Application Details

	more than 2 hours or <70 µL of sample or reagent is used. Several incubation steps such as step 6 (blocking), step 7 (sample incubation), step 10 (detection antibody incubation), or step 13 (Cy3 equivalent dyestreptavidin incubation) may be done overnight at 4 °C. Please make sure to cover the incubation chamber tightly to prevent evaporation.
Comment:	The G-Series arrays feature fluorescent signal detection. The antibodies are spotted on glass slide solid supports and require a laser scanner for data collection. All G-Series arrays work on the sandwich ELISA principle, utilizing a matched pair of antibodies: an immobilized capture antibody and a corresponding biotinylated detection antibody.
Sample Volume:	100 µL
Assay Time:	6 h
Plate:	Glass Slide
Protocol:	 Dry the glass slide Block array surface Incubate with Sample Incubate with Biotinylated Detection Antibody Cocktail Incubate with Streptavidin-Conjugated Fluor Disassemble the glass slide Scan with a gene microarray laser scanner Perform densitometry and analysis
Sample Preparation:	Use serum-free conditioned media if possible. If serum-containing conditioned media is required, it is highly recommended that complete medium be used as a control since many types of sera contains cytokines. We recommend the following parameters for your samples: 50 to 100 µl of original or diluted serum, plasma, cell culture media, or other body fluid, or 50-500 µg/ml of protein for cell and tissue lysates. If you experience high background or if the fluorescent signal intensities exceed the detection range, further dilution of your sample is recommended.
Assay Procedure:	Take out the glass slide from the box, and let it equilibrate to room temperature inside the sealed plastic bag for 20-30 minutes. Remove slide from the plastic bag, peel off the cover film, and let it air dry for another 1-2 hours.
	Blocking & Incubation 1. Add 100 µl Sample Diluent into each well and incubate at room temperature for 30 minutes to block slides. 2. Decant buffer from each well. Add 100 µl of sample to each well. Incubate arrays at room

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 3/6 | Product datasheet for ABIN625585 | 07/26/2024 | Copyright antibodies-online. All rights reserved. temperature for 1-2 hour.

3. Decant the samples from each well, and wash 5 times (5 min each) with 150 µl of 1X Wash Buffer I at room temperature with gentle shaking. Completely remove wash buffer in each wash step. Dilute 20x Wash Buffer I with H2O.

4. Decant the 1x Wash Buffer I from each well, wash 2 times (5 min each) with 150 µl of 1X Wash Buffer II at room temperature with gentle shaking.Completely remove wash buffer in each wash step. Dilute 20X Wash Buffer II with H2O.

Incubation with Biotinylated Antibody Cocktail & Wash

5. Reconstitute the detection antibody by adding 1.4 ml of Sample Diluent to the tube. Spin briefly.

6. Add 80 μl of the detection antibody cocktail to each well. Incubate at room temperature for 1- 2 hour.

7. Decant the samples from each well, and wash 5 times (5 mins each) with 150 µl of 1X Wash Buffer I and then 2 times with 150 µl of 1x Wash Buffer II at room temperature with gentle shaking. Completely remove wash buffer in each wash step.

Incubation with Cy3 Equivalent Dye-Streptavidin & Wash

8. After briefly spinning down, add 1.4 ml of Sample Diluent to Cy3 equivalent dye-conjugated streptavidin tube. Mix gently.

9. Add 80 µl of Cy3 equivalent dye-conjugated streptavidin to each well. Cover the device with aluminum foil to avoid exposure to light or incubate in dark room. Incubate at room temperature for 1 hour.

10. Decant the samples from each well, and wash 5 times (5 mins each) with 150 µl of 1X Wash Buffer I at room temperature with gentle shaking. Completely remove wash buffer in each wash step.

Fluorescence Detection

11. Disassemble the device by pushing clips outward from the slide side. Carefully remove the slide from the gasket.

12. Place the slide in the Slide Washer/Dryer (a 4-slide holder/centrifuge tube), add enough 1x Wash Buffer I (about 30 ml) to cover the whole slide, and then gently shake at room temperature for 15 minutes. Decant Wash Buffer I. Wash with 1x Wash Buffer II (about 30 ml) and gently shake at room temperature for 5 minutes.

13. Remove water droplets completely by gently applying suction with a pipette to remove water droplets. Do not touch the array, only the sides.

wavelength (green channel) such as Axon GenePix. Calculation of Results: Data extraction can be done using the GAL file that is specific for this array along with the microarray analysis software (GenePix, ScanArray Express, ArrayVision, MicroVigene, etc.). Restrictions: For Research Use only Handling Handling Advice: Do not touch the surface of the slides, as the microarray slides are very sensitive. Hold the slides by the edges only. Handle all buffers and slides with powder free gloves. Handle glass slide/s in clean environment. The G-Series slides do not have bar codes. To help distinguish or slide from another, transcribe the slide serial number from the slide bag to the back of the slide with a fine point permanent marker. Please write the number on the very bottom edge of the slide, taking care to avoid writing on the array well areas. Storage: -20 °C Storage Comment: For best results, store the entire kit frozen at -20°C upon arrival. Stored frozen, the kit will be stable for at least 6 months which is the duration of the product warranty period. Once thave store array slide(s) and 1X Blocking Buffer at -20°C and all other reagents undiluted at 4°C for no more than 3 months. Expiry Date: 6 months	Application Details	
Calculation of Results: Data extraction can be done using the GAL file that is specific for this array along with the microarray analysis software (GenePix, ScanArray Express, ArrayVision, MicroVigene, etc.). Restrictions: For Research Use only Handling Do not touch the surface of the slides, as the microarray slides are very sensitive. Hold the slides by the edges only. Handle all buffers and slides with powder free gloves. Handle glass slide/s in clean environment. The G-Series slides do not have bar codes. To help distinguish o slide from another, transcribe the slide serial number from the slide bag to the back of the slid with a fine point permanent marker. Please write the number on the very bottom edge of the slide, taking care to avoid writing on the array well areas. Storage: -20 °C Storage Comment: For best results, store the entire kit frozen at -20°C upon arrival. Stored frozen, the kit will be stable for at least 6 months. Publications 6 months. Publications 6 months. Publications Ma, Kua, Lim, Lee, Chua. 'In vitro characterization of human hair folicle dermal sheath mesenchymal stormal cells and their potential in enhancing diabetic wound healing.'' in: Cytotherapy, Vol. 17, Issue 8, pp. 1036-51, (2016) (PubMed). Wolf, Siegert, Rothmiller, Scheithauer, Strobelt, Steinritz, Worek, Thiermann, Schmidt.'' Characterization of suffur mustard resistant keratinocyte cell line HaCaT/SM.' in Toxicology letters , Vol. 244, pp. 49-55, (2016) (PubMed). Chen, Shi, Feng, Kong, Chen, Ceng, Chen, Liu, Li, Chen, Gao, Sun: 'Leptin and Neutrophil-Activating Peptide 2		14. Imaging: The signals can be visualized through use of a laser scanner equipped with a Cy3
microarray analysis software (GenePix, ScanArray Express, ArrayVision, MicroVigene, etc.). Restrictions: For Research Use only Handling Do not touch the surface of the slides, as the microarray slides are very sensitive. Hold the slides by the edges only. Handle all buffers and slides with powder free gloves. Handle glass slide/s in clean environment. The C-Series slides do not have bar codes. To help distinguish o slide from another, transcribe the slide senial number from the slide bag to the back of the slid with a fine point permanent marker. Please write the number on the very bottom edge of the slide, taking care to avoid writing on the array well areas. Storage: -20 °C Storage Comment: For best results, store the entire kit frozen at -20°C upon arrival. Stored frozen, the kit will be stable for at least 6 months which is the duration of the product warranty period. Once thave store array slide(s) and 1X Blocking Buffer at -20°C and all other reagents undiluted at 4°C for no more than 3 months. Expiry Date: 6 months Publications Ma, Kua, Lim, Lee, Chua: 'In vitro characterization of human hair follicle dermal sheath mesenchymal atomal cells and their potential in enhancing diabetic wound healing.'' in: Cytotherapy , Vol. 17, Issue 8, pp. 1036-51, (2016) (PubMed). Wolf, Siegert, Rothmiller, Scheithauer, Strobelt, Steinritz, Worek, Thiermann, Schmidt: "Characterization of sulfur mustard resistant keratinocyte cell line HaCaT/SM.'' in: Toxicology letters, Vol. 244, pp. 49-55, (2016) (PubMed). Chen, Shi, Feng, Kong, Chen, Geng, Chen, Liu, Li, Chen, Gao, Sun: 'Leptin and Neutrophil-Activation Prhosphatidylinositol 3-Kinas		
Restrictions: For Research Use only Handling Do not touch the surface of the slides, as the microarray slides are very sensitive. Hold the slides by the edges only. Handle all buffers and slides with powder free gloves. Handle glass slide/s in clean environment. The G-Series slides do not have bar codes. To help distinguish o slide from another, transcribe the slide serial number from the slide bag to the back of the slid with a fine point permanent marker. Please write the number on the very bottom edge of the slide, taking care to avoid writing on the array well areas. Storage: -20 °C Storage Comment: For best results, store the entire kit frozen at -20°C upon arrival. Stored frozen, the kit will be stable for at least 6 months which is the duration of the product warranty period. Once thave store array slide(s) and 1X Blocking Buffer at -20°C and all other reagents undiluted at 4°C for no more than 3 months. Explip Date: 6 months Product cited in: Ma, Kua, Lim, Lee, Chua: "In vitro characterization of human hair follicle dermal sheath mesenchymal stromal cells and their potential in enhancing diabetic wound healing." in: Cytotherapy. Vol. 17, Issue 8, pp. 1036-51, (2016) (PubMed). Wolf, Siegert, Rothmiller, Scheithauer, Strobelt, Steinritz, Worek, Thiermann, Schmidt: "Characterization of sulfur mustard resistant keratinocyte cell line HaCaT/SM." in: Toxicology letters. Vol. 244, pp. 49-55, (2016) (PubMed). Chen, Shi, Feng, Kong, Chen, Geng, Chen, Liu, Li, Chen, Gao, Sun: "Leptin and Neutrophil-Activation of the Phosphatidylinositol 3-Kinase/Akt Pathway in Patients With Systemic Lupus Erythematosus."	Calculation of Results:	
Handling Handling Advice: Do not touch the surface of the sildes, as the microarray slides are very sensitive. Hold the slides by the edges only. Handle all buffers and slides with powder free gloves. Handle glass slide/s in clean environment. The C-Series slides do not have bar codes. To help distinguish or slide from another, transcribe the slide serial number from the slide bag to the back of the slid with a fine point permanent marker. Please write the number on the very bottom edge of the slide, taking care to avoid writing on the array well areas. Storage: -20 °C Storage Comment: For best results, store the entire kit frozen at -20°C upon arrival. Stored frozen, the kit will be stable for at least 6 months which is the duration of the product warranty period. Once thavect store array slide(s) and 1X Blocking Buffer at -20°C and all other reagents undiluted at 4°C for no more than 3 months. Explip Date: 6 months Publications 6 months Product cited in: Ma, Kua, Lim, Lee, Chua: 'In vitro characterization of human hair follicle dermal sheath mesenchymal stromal cells and their potential in enhancing diabetic wound healing.' In: Cytotherapy. Vol. 17, Issue 8, pp. 1036-51, (2016) (PubMed). Wolf, Siegert, Rothmiller, Scheithauer, Strobelt, Steinritz, Worek, Thiermann, Schmidt.'' Characterization of sulfur mustard resistant keratinocyte cell line HaCaT/SM.' in: Toxicology letters, Vol. 244, pp. 49-55, (2016) (PubMed). Wolf, Siegert, Rothmiller, Scheithauer, Strobelt, Steinritz, Worek, Thiermann, Schmidt.'' Characterization of sulfur mustard resistant keratinocyte cell line HaCaT/SM.' in: Toxicology letters, Vol. 244, pp. 49-55,		microarray analysis software (GenePix, ScanArray Express, ArrayVision, MicroVigene, etc.).
Handling Advice: Do not touch the surface of the slides, as the microarray slides are very sensitive. Hold the slides by the edges only. Handle all buffers and slides with powder free gloves. Handle glass slide/s in clean environment. The G-Series slides do not have bar codes. To help distinguish or slide from another, transcribe the slide serial number from the slide bag to the back of the slid with a fine point permanent marker. Please write the number on the very bottom edge of the slide, taking care to avoid writing on the array well areas. Storage: -20 °C Storage Comment: For best results, store the entire kit frozen at -20°C upon arrival. Stored frozen, the kit will be stable for at least 6 months which is the duration of the product warranty period. Once thawer store array slide(s) and 1X Blocking Buffer at -20°C and all other reagents undiluted at 4°C for no more than 3 months. Expiry Date: 6 months Publications Ma, Kua, Lim, Lee, Chua: 'In vitro characterization of human hair follicle dermal sheath mesenchymal stromal cells and their potential in enhancing diabetic wound healing.' in: Cytotherapy, Vol. 17, Issue 8, pp. 1036-51, (2016) (PubMed). Wolf, Siegert, Rothmiller, Scheithauer, Strobelt, Steinritz, Worek, Thiermann, Schmidt: 'Characterization of sulfur mustard resistant keratinocyte cell line HaCaT/SM.' in: Toxicology letters, Vol. 244, pp. 49-55, (2016) (PubMed). Chen, Shi, Feng, Kong, Chen, Geng, Chen, Liu, Li, Chen, Gao, Sun: 'Leptin and Neutrophil-Activating Peptide 2 Promote Mesenchymal Stem Cell Senescence Through Activation of the Phosphatidylinositol 3-Kinase/Akt Pathway in Patients With Systemic Lupus Erythematosus.' <td>Restrictions:</td> <td>For Research Use only</td>	Restrictions:	For Research Use only
slides by the edges only. Handle all buffers and slides with powder free gloves. Handle glass slide/s in clean environment. The G-Series slides do not have bar codes. To help distinguish o slide from another, transcribe the slide serial number from the slide bag to the back of the slid with a fine point permanent marker. Please write the number on the very bottom edge of the slide, taking care to avoid writing on the array well areas.Storage:-20 °CStorage Comment:For best results, store the entire kit frozen at -20°C upon arrival. Stored frozen, the kit will be stable for at least 6 months which is the duration of the product warranty period. Once thawe store array slide(s) and 1X Blocking Buffer at -20°C and all other reagents undiluted at 4°C for no more than 3 months.Publications6 monthsProduct cited in:Ma, Kua, Lim, Lee, Chua: 'In vitro characterization of human hair follicle dermal sheath mesenchymal stromal cells and their potential in enhancing diabetic wound healing.'' in: Cytotherapy, Vol. 17, Issue 8, pp. 1036-51, (2016) (PubMed).Wolf, Siegert, Rothmiller, Scheithauer, Strobelt, Steinritz, Worek, Thiermann, Schmidt: '' Characterization of sulfur mustard resistant keratinocyte cell line HaCaT/SM.'' in: Toxicology letters, Vol. 244, pp. 49-55, (2016) (PubMed).Chen, Shi, Feng, Kong, Chen, Geng, Chen, Liu, Li, Chen, Gao, Sun: 'Leptin and Neutrophil- Activating Peptide 2 Promote Mesenchymal Stem Cell Senescence Through Activation of the Phosphatidylinositol 3-Kinase/Akt Pathway in Patients With Systemic Lupus Erythematosus.''	Handling	
slide/s in clean environment. The G-Series slides do not have bar codes. To help distinguish of slide from another, transcribe the slide serial number from the slide bag to the back of the slid with a fine point permanent marker. Please write the number on the very bottom edge of the slide, taking care to avoid writing on the array well areas. Storage: -20 °C Storage Comment: For best results, store the entire kit frozen at -20°C upon arrival. Stored frozen, the kit will be stable for at least 6 months which is the duration of the product warranty period. Once thaved store array slide(s) and 1X Blocking Buffer at -20°C and all other reagents undiluted at 4°C for no more than 3 months. Expiry Date: 6 months Publications Ma, Kua, Lim, Lee, Chua: "In vitro characterization of human hair follicle dermal sheath mesenchymal stromal cells and their potential in enhancing diabetic wound healing." in: Cytotherapy. Vol. 17, Issue 8, pp. 1036-51, (2016) (PubMed). Wolf, Slegert, Rothmiller, Scheithauer, Strobelt, Steinritz, Worek, Thiermann, Schmidt: "Characterization of sulfur mustard resistant keratinocyte cell line HaCaT/SM." in: Toxicology letters, Vol. 244, pp. 49-55, (2016) (PubMed). Chen, Shi, Feng, Kong, Chen, Geng, Chen, Liu, Li, Chen, Gao, Sun: "Leptin and Neutrophil-Activating Peptide 2 Promote Mesenchymal Stern Cell Senescence Through Activation of the Phosphatidylinositol 3-Kinase/Akt Pathway in Patients With Systemic Lupus Erythematosus."	Handling Advice:	Do not touch the surface of the slides, as the microarray slides are very sensitive. Hold the
slide from another, transcribe the slide serial number from the slide bag to the back of the slid with a fine point permanent marker. Please write the number on the very bottom edge of the slide, taking care to avoid writing on the array well areas. Storage: -20 °C Storage Comment: For best results, store the entire kit frozen at -20°C upon arrival. Stored frozen, the kit will be stable for at least 6 months which is the duration of the product warranty period. Once thawed store array slide(s) and 1X Blocking Buffer at -20°C and all other reagents undiluted at 4°C for no more than 3 months. Expiry Date: 6 months Publications 6 months Product cited in: Ma, Kua, Lim, Lee, Chua: "In vitro characterization of human hair follicle dermal sheath mesenchymal stromal cells and their potential in enhancing diabetic wound healing." in: Cytotherapy, Vol. 17, Issue 8, pp. 1036-51, (2016) (PubMed). Wolf, Siegert, Rothmiller, Scheithauer, Strobelt, Steinritz, Worek, Thiermann, Schmidt: "Characterization of sulfur mustard resistant keratinocyte cell line HaCaT/SM." in: Toxicology letters, Vol. 244, pp. 49-55, (2016) (PubMed). Chen, Shi, Feng, Kong, Chen, Geng, Chen, Liu, Li, Chen, Gao, Sun: "Leptin and Neutrophil-Activating Peptide 2 Promote Mesenchymal Stern Cell Senescence Through Activation of the Phosphatidylinositol 3-Kinase/Akt Pathway in Patients With Systemic Lupus Erythematosus."		slides by the edges only. Handle all buffers and slides with powder free gloves. Handle glass
with a fine point permanent marker. Please write the number on the very bottom edge of the slide, taking care to avoid writing on the array well areas.Storage:-20 °CStorage Comment:For best results, store the entire kit frozen at -20°C upon arrival. Stored frozen, the kit will be stable for at least 6 months which is the duration of the product warranty period. Once thawed store array slide(s) and 1X Blocking Buffer at -20°C and all other reagents undiluted at 4°C for no more than 3 months.Expiry Date:6 monthsPublicationsMa, Kua, Lim, Lee, Chua: 'In vitro characterization of human hair follicle dermal sheath mesenchymal stromal cells and their potential in enhancing diabetic wound healing.' in: Cytotherapy, Vol. 17, Issue 8, pp. 1036-51, (2016) (PubMed).Wolf, Siegert, Rothmiller, Scheithauer, Strobelt, Steinritz, Worek, Thiermann, Schmidt: " Characterization of sulfur mustard resistant keratinocyte cell line HaCaT/SM." in: Toxicology letters, Vol. 244, pp. 49-55, (2016) (PubMed).Chen, Shi, Feng, Kong, Chen, Geng, Chen, Liu, Li, Chen, Gao, Sun: "Leptin and Neutrophil- Activating Peptide 2 Promote Mesenchymal Stern Cell Senescence Through Activation of the Phosphatidylinositol 3-Kinase/Akt Pathway in Patients With Systemic Lupus Erythematosus."		slide/s in clean environment. The G-Series slides do not have bar codes. To help distinguish one
slide, taking care to avoid writing on the array well areas.Storage:-20 °CStorage Comment:For best results, store the entire kit frozen at -20°C upon arrival. Stored frozen, the kit will be stable for at least 6 months which is the duration of the product warranty period. Once thawed store array slide(s) and 1X Blocking Buffer at -20°C and all other reagents undiluted at 4°C for no more than 3 months.Expiry Date:6 monthsPublicationsProduct cited in:Ma, Kua, Lim, Lee, Chua: 'In vitro characterization of human hair follicle dermal sheath mesenchymal stromal cells and their potential in enhancing diabetic wound healing.' in: Cytotherapy, Vol. 17, Issue 8, pp. 1036-51, (2016) (PubMed).Wolf, Siegert, Rothmiller, Scheithauer, Strobelt, Steinritz, Worek, Thiermann, Schmidt: " Characterization of sulfur mustard resistant keratinocyte cell line HaCaT/SM." in: Toxicology letters, Vol. 244, pp. 49-55, (2016) (PubMed).Chen, Shi, Feng, Kong, Chen, Geng, Chen, Liu, Li, Chen, Gao, Sun: "Leptin and Neutrophil- Activating Peptide 2 Promote Mesenchymal Stem Cell Senescence Through Activation of the Phosphatidylinositol 3-Kinase/Akt Pathway in Patients With Systemic Lupus Erythematosus."		slide from another, transcribe the slide serial number from the slide bag to the back of the slide
Storage: -20 °C Storage Comment: For best results, store the entire kit frozen at -20°C upon arrival. Stored frozen, the kit will be stable for at least 6 months which is the duration of the product warranty period. Once thawed store array slide(s) and 1X Blocking Buffer at -20°C and all other reagents undiluted at 4°C for no more than 3 months. Expiry Date: 6 months Publications 6 months Product cited in: Ma, Kua, Lim, Lee, Chua: "In vitro characterization of human hair follicle dermal sheath mesenchymal stromal cells and their potential in enhancing diabetic wound healing." in: Cytotherapy, Vol. 17, Issue 8, pp. 1036-51, (2016) (PubMed). Wolf, Siegert, Rothmiller, Scheithauer, Strobelt, Steinritz, Worek, Thiermann, Schmidt: "Characterization of sulfur mustard resistant keratinocyte cell line HaCaT/SM." in: Toxicology letters, Vol. 244, pp. 49-55, (2016) (PubMed). Chen, Shi, Feng, Kong, Chen, Geng, Chen, Liu, Li, Chen, Gao, Sun: "Leptin and Neutrophil-Activating Peptide 2 Promote Mesenchymal Stem Cell Senescence Through Activation of the Phosphatidylinositol 3-Kinase/Akt Pathway in Patients With Systemic Lupus Erythematosus."		with a fine point permanent marker. Please write the number on the very bottom edge of the
Storage Comment: For best results, store the entire kit frozen at -20°C upon arrival. Stored frozen, the kit will be stable for at least 6 months which is the duration of the product warranty period. Once thawere store array slide(s) and 1X Blocking Buffer at -20°C and all other reagents undiluted at 4°C for no more than 3 months. Expiry Date: 6 months Publications 6 months Product cited in: Ma, Kua, Lim, Lee, Chua: "In vitro characterization of human hair follicle dermal sheath mesenchymal stromal cells and their potential in enhancing diabetic wound healing." in: Cytotherapy, Vol. 17, Issue 8, pp. 1036-51, (2016) (PubMed). Wolf, Siegert, Rothmiller, Scheithauer, Strobelt, Steinritz, Worek, Thiermann, Schmidt: " Characterization of sulfur mustard resistant keratinocyte cell line HaCaT/SM." in: Toxicology letters, Vol. 244, pp. 49-55, (2016) (PubMed). Chen, Shi, Feng, Kong, Chen, Geng, Chen, Liu, Li, Chen, Gao, Sun: "Leptin and Neutrophil-Activating Peptide 2 Promote Mesenchymal Stem Cell Senescence Through Activation of the Phosphatidylinositol 3-Kinase/Akt Pathway in Patients With Systemic Lupus Erythematosus."		slide, taking care to avoid writing on the array well areas.
stable for at least 6 months which is the duration of the product warranty period. Once thawed store array slide(s) and 1X Blocking Buffer at -20°C and all other reagents undiluted at 4°C for no more than 3 months. Expiry Date: 6 months Publications 6 months Product cited in: Ma, Kua, Lim, Lee, Chua: "In vitro characterization of human hair follicle dermal sheath mesenchymal stromal cells and their potential in enhancing diabetic wound healing." in: Cytotherapy, Vol. 17, Issue 8, pp. 1036-51, (2016) (PubMed). Wolf, Siegert, Rothmiller, Scheithauer, Strobelt, Steinritz, Worek, Thiermann, Schmidt: "Characterization of sulfur mustard resistant keratinocyte cell line HaCaT/SM." in: Toxicology letters, Vol. 244, pp. 49-55, (2016) (PubMed). Chen, Shi, Feng, Kong, Chen, Geng, Chen, Liu, Li, Chen, Gao, Sun: "Leptin and Neutrophil-Activating Peptide 2 Promote Mesenchymal Stem Cell Senescence Through Activation of the Phosphatidylinositol 3-Kinase/Akt Pathway in Patients With Systemic Lupus Erythematosus."	Storage:	-20 °C
store array slide(s) and 1X Blocking Buffer at -20°C and all other reagents undiluted at 4°C for no more than 3 months. Expiry Date: 6 months Publications 6 months Product cited in: Ma, Kua, Lim, Lee, Chua: "In vitro characterization of human hair follicle dermal sheath mesenchymal stromal cells and their potential in enhancing diabetic wound healing." in: Cytotherapy, Vol. 17, Issue 8, pp. 1036-51, (2016) (PubMed). Wolf, Siegert, Rothmiller, Scheithauer, Strobelt, Steinritz, Worek, Thiermann, Schmidt: " Characterization of sulfur mustard resistant keratinocyte cell line HaCaT/SM." in: Toxicology letters, Vol. 244, pp. 49-55, (2016) (PubMed). Chen, Shi, Feng, Kong, Chen, Geng, Chen, Liu, Li, Chen, Gao, Sun: "Leptin and Neutrophil-Activating Peptide 2 Promote Mesenchymal Stem Cell Senescence Through Activation of the Phosphatidylinositol 3-Kinase/Akt Pathway in Patients With Systemic Lupus Erythematosus."	Storage Comment:	For best results, store the entire kit frozen at -20°C upon arrival. Stored frozen, the kit will be
no more than 3 months. Expiry Date: 6 months Publications Product cited in: Ma, Kua, Lim, Lee, Chua: "In vitro characterization of human hair follicle dermal sheath mesenchymal stromal cells and their potential in enhancing diabetic wound healing." in: Cytotherapy, Vol. 17, Issue 8, pp. 1036-51, (2016) (PubMed). Wolf, Siegert, Rothmiller, Scheithauer, Strobelt, Steinritz, Worek, Thiermann, Schmidt: "Characterization of sulfur mustard resistant keratinocyte cell line HaCaT/SM." in: Toxicology letters, Vol. 244, pp. 49-55, (2016) (PubMed). Chen, Shi, Feng, Kong, Chen, Geng, Chen, Liu, Li, Chen, Gao, Sun: "Leptin and Neutrophil-Activating Peptide 2 Promote Mesenchymal Stem Cell Senescence Through Activation of the Phosphatidylinositol 3-Kinase/Akt Pathway in Patients With Systemic Lupus Erythematosus."		stable for at least 6 months which is the duration of the product warranty period. Once thawed,
Expiry Date: 6 months Publications Product cited in: Ma, Kua, Lim, Lee, Chua: "In vitro characterization of human hair follicle dermal sheath mesenchymal stromal cells and their potential in enhancing diabetic wound healing." in: Cytotherapy, Vol. 17, Issue 8, pp. 1036-51, (2016) (PubMed). Wolf, Siegert, Rothmiller, Scheithauer, Strobelt, Steinritz, Worek, Thiermann, Schmidt: " Characterization of sulfur mustard resistant keratinocyte cell line HaCaT/SM." in: Toxicology letters, Vol. 244, pp. 49-55, (2016) (PubMed). Chen, Shi, Feng, Kong, Chen, Geng, Chen, Liu, Li, Chen, Gao, Sun: "Leptin and Neutrophil-Activating Peptide 2 Promote Mesenchymal Stem Cell Senescence Through Activation of the Phosphatidylinositol 3-Kinase/Akt Pathway in Patients With Systemic Lupus Erythematosus."		store array slide(s) and 1X Blocking Buffer at -20°C and all other reagents undiluted at 4°C for
Publications Product cited in: Ma, Kua, Lim, Lee, Chua: "In vitro characterization of human hair follicle dermal sheath mesenchymal stromal cells and their potential in enhancing diabetic wound healing." in: Cytotherapy, Vol. 17, Issue 8, pp. 1036-51, (2016) (PubMed). Wolf, Siegert, Rothmiller, Scheithauer, Strobelt, Steinritz, Worek, Thiermann, Schmidt: " Characterization of sulfur mustard resistant keratinocyte cell line HaCaT/SM." in: Toxicology letters, Vol. 244, pp. 49-55, (2016) (PubMed). Chen, Shi, Feng, Kong, Chen, Geng, Chen, Liu, Li, Chen, Gao, Sun: "Leptin and Neutrophil-Activating Peptide 2 Promote Mesenchymal Stem Cell Senescence Through Activation of the Phosphatidylinositol 3-Kinase/Akt Pathway in Patients With Systemic Lupus Erythematosus."		no more than 3 months.
 Product cited in: Ma, Kua, Lim, Lee, Chua: "In vitro characterization of human hair follicle dermal sheath mesenchymal stromal cells and their potential in enhancing diabetic wound healing." in: Cytotherapy, Vol. 17, Issue 8, pp. 1036-51, (2016) (PubMed). Wolf, Siegert, Rothmiller, Scheithauer, Strobelt, Steinritz, Worek, Thiermann, Schmidt: "Characterization of sulfur mustard resistant keratinocyte cell line HaCaT/SM." in: Toxicology letters, Vol. 244, pp. 49-55, (2016) (PubMed). Chen, Shi, Feng, Kong, Chen, Geng, Chen, Liu, Li, Chen, Gao, Sun: "Leptin and Neutrophil-Activating Peptide 2 Promote Mesenchymal Stem Cell Senescence Through Activation of the Phosphatidylinositol 3-Kinase/Akt Pathway in Patients With Systemic Lupus Erythematosus." 	Expiry Date:	6 months
mesenchymal stromal cells and their potential in enhancing diabetic wound healing." in: Cytotherapy , Vol. 17, Issue 8, pp. 1036-51, (2016) (PubMed). Wolf, Siegert, Rothmiller, Scheithauer, Strobelt, Steinritz, Worek, Thiermann, Schmidt: " Characterization of sulfur mustard resistant keratinocyte cell line HaCaT/SM." in: Toxicology letters , Vol. 244, pp. 49-55, (2016) (PubMed). Chen, Shi, Feng, Kong, Chen, Geng, Chen, Liu, Li, Chen, Gao, Sun: "Leptin and Neutrophil- Activating Peptide 2 Promote Mesenchymal Stem Cell Senescence Through Activation of the Phosphatidylinositol 3-Kinase/Akt Pathway in Patients With Systemic Lupus Erythematosus."	Publications	
 Cytotherapy, Vol. 17, Issue 8, pp. 1036-51, (2016) (PubMed). Wolf, Siegert, Rothmiller, Scheithauer, Strobelt, Steinritz, Worek, Thiermann, Schmidt: " Characterization of sulfur mustard resistant keratinocyte cell line HaCaT/SM." in: Toxicology letters, Vol. 244, pp. 49-55, (2016) (PubMed). Chen, Shi, Feng, Kong, Chen, Geng, Chen, Liu, Li, Chen, Gao, Sun: "Leptin and Neutrophil- Activating Peptide 2 Promote Mesenchymal Stem Cell Senescence Through Activation of the Phosphatidylinositol 3-Kinase/Akt Pathway in Patients With Systemic Lupus Erythematosus." 	Product cited in:	Ma, Kua, Lim, Lee, Chua: "In vitro characterization of human hair follicle dermal sheath
 Wolf, Siegert, Rothmiller, Scheithauer, Strobelt, Steinritz, Worek, Thiermann, Schmidt: " Characterization of sulfur mustard resistant keratinocyte cell line HaCaT/SM." in: Toxicology letters, Vol. 244, pp. 49-55, (2016) (PubMed). Chen, Shi, Feng, Kong, Chen, Geng, Chen, Liu, Li, Chen, Gao, Sun: "Leptin and Neutrophil-Activating Peptide 2 Promote Mesenchymal Stem Cell Senescence Through Activation of the Phosphatidylinositol 3-Kinase/Akt Pathway in Patients With Systemic Lupus Erythematosus." 		mesenchymal stromal cells and their potential in enhancing diabetic wound healing." in:
Characterization of sulfur mustard resistant keratinocyte cell line HaCaT/SM." in: Toxicology letters , Vol. 244, pp. 49-55, (2016) (PubMed). Chen, Shi, Feng, Kong, Chen, Geng, Chen, Liu, Li, Chen, Gao, Sun: "Leptin and Neutrophil- Activating Peptide 2 Promote Mesenchymal Stem Cell Senescence Through Activation of the Phosphatidylinositol 3-Kinase/Akt Pathway in Patients With Systemic Lupus Erythematosus."		Cytotherapy , Vol. 17, Issue 8, pp. 1036-51, (2016) (PubMed).
letters, Vol. 244, pp. 49-55, (2016) (PubMed). Chen, Shi, Feng, Kong, Chen, Geng, Chen, Liu, Li, Chen, Gao, Sun: "Leptin and Neutrophil- Activating Peptide 2 Promote Mesenchymal Stem Cell Senescence Through Activation of the Phosphatidylinositol 3-Kinase/Akt Pathway in Patients With Systemic Lupus Erythematosus."		Wolf, Siegert, Rothmiller, Scheithauer, Strobelt, Steinritz, Worek, Thiermann, Schmidt: "
Chen, Shi, Feng, Kong, Chen, Geng, Chen, Liu, Li, Chen, Gao, Sun: "Leptin and Neutrophil- Activating Peptide 2 Promote Mesenchymal Stem Cell Senescence Through Activation of the Phosphatidylinositol 3-Kinase/Akt Pathway in Patients With Systemic Lupus Erythematosus."		Characterization of sulfur mustard resistant keratinocyte cell line HaCaT/SM." in: Toxicology
Activating Peptide 2 Promote Mesenchymal Stem Cell Senescence Through Activation of the Phosphatidylinositol 3-Kinase/Akt Pathway in Patients With Systemic Lupus Erythematosus."		letters , Vol. 244, pp. 49-55, (2016) (PubMed).
Phosphatidylinositol 3-Kinase/Akt Pathway in Patients With Systemic Lupus Erythematosus."		Chen, Shi, Feng, Kong, Chen, Geng, Chen, Liu, Li, Chen, Gao, Sun: "Leptin and Neutrophil-
		Activating Peptide 2 Promote Mesenchymal Stem Cell Senescence Through Activation of the
in: Arthritis & rheumatology (Hoboken, N.J.), Vol. 67, Issue 9, pp. 2383-93, (2015) (PubMed).		Phosphatidylinositol 3-Kinase/Akt Pathway in Patients With Systemic Lupus Erythematosus."
		in: Arthritis & rheumatology (Hoboken, N.J.), Vol. 67, Issue 9, pp. 2383-93, (2015) (PubMed).

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 5/6 | Product datasheet for ABIN625585 | 07/26/2024 | Copyright antibodies-online. All rights reserved. Zhong, Zhou, Wu, Guo, Tan, Zhang, Zhang, Geng, Pan, Luo, Zhang, Xu, Liu, Liu, Gao, Liu, Ren, Li, Zhou, Zhang: "A SnoRNA-derived piRNA interacts with human interleukin-4 pre-mRNA and induces its decay in nuclear exosomes." in: **Nucleic acids research**, Vol. 43, Issue 21, pp. 10474-91, (2015) (PubMed).

Chollet-Hinton, Stuebe, Casbas-Hernandez, Chetwynd, Troester: "Temporal Trends in the Inflammatory Cytokine Profile of Human Breastmilk." in: **Breastfeeding medicine : the official journal of the Academy of Breastfeeding Medicine**, (2014) (PubMed).

There are more publications referencing this product on: Product page