

# Datasheet for ABIN811984 Caspase 3 ELISA Kit

1 Image

14 Publications



#### Overview

Quantity:	96 tests
Target:	Caspase 3 (CASP3)
Reactivity:	Rat
Method Type:	Sandwich ELISA
Detection Range:	0.312-20 ng/mL
Minimum Detection Limit:	0.312 ng/mL
Application:	ELISA

## Product Details

Purpose:	For the quantitative determination of rat caspase 3 (Casp-3) concentrations in serum, plasma, tissue homogenates.
Sample Type:	Serum, Plasma, Tissue Homogenate
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	This assay has high sensitivity and excellent specificity for detection of rat Casp-3.
Cross-Reactivity (Details):	Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between the target antigen and all analogues for other species. Therefore, cross reaction may still exist.
Sensitivity:	0.078 ng/mL
Components:	Assay plate (12 × 8 coated Microwells)

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 ABIN811984 | 07/26/2024 | Copyright antibodies-online. All rights reserved.

- Standard (freeze dried)
- Biotin-antibody (100 × concentrate)
- HRP-avidin (100 × concentrate)
- Biotin-antibody Diluent
- HRP-avidin Diluent
- Sample Diluent
- Wash Buffer (25 × concentrate)
- TMB Substrate
- Stop Solution
- Adhesive Strip (for 96 wells)
- Instruction manual

### Target Details

Caspase 3 (CASP3)
Caspase 3, Apoptosis-Related Cysteine Peptidase (CASP3) (CASP3 Products)
Synonyms: CPP32, CPP32B, SCA-1, PARP cleavage protease SREBP cleavage activity 1 Yama apopain caspase 3 caspase 3, apoptosis-related cysteine protease cysteine protease
CPP32 procaspase3
1504
Q8MJC3
Apoptosis, Caspase Cascade in Apoptosis, Sensory Perception of Sound, ER-Nucleus Signaling, Positive Regulation of Endopeptidase Activity, Activated T Cell Proliferation

### Application Details

Application Notes:	<ul> <li>The supplier is only responsible for the kit itself, but not for the samples consumed during the assay. The user should calculate the possible amount of the samples used in the whole test. Please reserve sufficient samples in advance.</li> <li>Samples to be used within 5 days may be stored at 2-8°C, otherwise samples must be stored</li> </ul>
	at -20°C ( $\leq$ 1 month) or -80°C ( $\leq$ 2 months) to avoid loss of bioactivity and contamination.
	<ul> <li>Grossly hemolyzed samples are not suitable for use in this assay.</li> </ul>
	<ul> <li>If the samples are not indicated in the manual, a preliminary experiment to determine the validity of the kit is necessary.</li> </ul>
	• Please predict the concentration before assaying. If values for these are not within the range of the standard curve, users must determine the optimal sample dilutions for their particular experiments.
	• Tissue or cell extraction samples prepared by chemical lysis buffer may cause unexpected ELISA results due to the impacts of certain chemicals.

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 ABIN811984 | 07/26/2024 | Copyright antibodies-online. All rights reserved.

	<ul> <li>Owing to the possibility of mismatching between antigens from another resource and antibodies used in this supplier's kits (e.g., antibody targets conformational epitope rather than linear epitope), some native or recombinant proteins from other manufacturers may no be recognized by this supplier's products.</li> <li>Influenced by factors including cell viability, cell number and cell sampling time, samples from cell culture supernatant may not be recognized by the kit.</li> <li>Fresh samples without long time storage are recommended for the test. Otherwise, protein degradation and denaturalization may occur in those samples and finally lead to wrong results.</li> </ul>
Comment:	Detection wavelength: 450 nm
	Information on standard material:
	Depending on the antigen to be detected, standards can be either native or recombinant
	protein. The recombinant proteins are being expressed in CHO cells in most cases. Please
	inquire for more information. The formulation of auxiliary material in the standard is considered
	proprietary information, however it does not contain any poisonous substance. Proclin 300
	(1:3000) is used as preservative.
	Information on reagents:
	In most cases the stop solution provided is 1 N H2SO4. The formulation of wash solution is
	proprietary information. None of the components contain (sodium) azide, thimerosal, 2-
	mercaptoethanol (2-ME) or any other poisonous materials. For the sandwich method kits, the
	sample diluent, antibody diluent, enzyme diluent and standard all contain BSA.
	Information on antibodies:
	The antibodies provided in different kits vary in regards to clonality and host. Some antibodies
	are affinity purified, some are Protein A
Sample Volume:	100 μL
Assay Time:	1 - 4.5 h
Plate:	Pre-coated
Protocol:	This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody
	specific for Casp-3 has been pre-coated onto a microplate. Standards and samples are pipette
	into the wells and any Casp-3 present is bound by the immobilized antibody. After removing an

After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following

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 ABIN811984 | 07/26/2024 | Copyright antibodies-online. All rights reserved.

	a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of Casp-3 bound in the initial step. Th
	color development is stopped and the intensity of the color is measured.
Reagent Preparation:	<ul> <li>Biotin-antibody (1×) - Centrifuge the vial before opening. Biotin-antibody requires a 100-fold dilution. The suggested dilution is 10µL of Biotin-antibody + 990µL of Biotin-antibody Diluent.</li> <li>HRP-avidin (1×) - Centrifuge the vial before opening. HRP-avidin requires a 100-fold dilution. The suggested dilution is 10µL of HRP-avidin + 990µ of HRP-avidin Diluent.</li> <li>Wash Buffer (1×) - If crystals have formed in the concentrate, warm up to room temperature and mix gently until the crystals have completely dissolved. Dilute 20mL of Wash Buffer Concentrate (25×) into deionized or distilled water to prepare 500mL of Wash Buffer (1×).</li> <li>Standard - Centrifuge the standard vial at 6000-10000rpm for 30s. Reconstitute the Standard with 1ml of Sample Diluent. Do not substitute other diluents. This reconstitution produces a stock solution. Mix the standard to ensure complete reconstitutior and allow the standard to sit for a minimum of 15 minutes with gentle agitation prior to making dilutions. Pipette 250µL of Sample Diluent into each tube. Use the stock solution to produce a 2-fold dilution series. Mix each tube thoroughly before the next transfer. The undiluted Standard serves as the high standard. Sample Diluent serves as the zero standard (0ng/mL).</li> </ul>
	Note:
	<ul> <li>Kindly use graduated containers to prepare the reagent. Please don't prepare the reagent directly in the Diluent vials provided in the kit.</li> </ul>
	<ul> <li>Bring all reagents to room temperature (18-25°C) before use for 30 min.</li> <li>Prepare fresh standard for each assay. Use within 4 hours and discard after use.</li> <li>Making serial dilution in the wells directly is not permitted.</li> </ul>
	<ul> <li>Please carefully reconstitute Standards according to the instruction. Avoid foaming and mix gently until the crystals have completely dissolved. To minimize imprecision caused by pipetting, use small volumes and ensure that pipettors are calibrated. It is recommended to suck more than 10µL when pipetting.</li> </ul>
	<ul> <li>It is recommended to use distilled water to prepare reagents and samples. Using contaminated water or container for reagent preparation will influence detection result.</li> </ul>
Assay Precision:	Intra-assay precision (precision within an assay): Three samples of known concentration were
	tested twenty times on one plate to assess precision.
	Inter-assay precision (precision between assays): Three samples of known concentration were
	tested in twenty assays to assess precision.
	<ul> <li>Intra-assay: CV% less than 8%</li> <li>Inter-assay: CV% less than 10%</li> </ul>
	Exa Dana ang kulan ang k

Restrictions:

For Research Use only

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 4/6 | Product datasheet for ABIN811984 | 07/26/2024 | Copyright antibodies-online. All rights reserved.

Handling

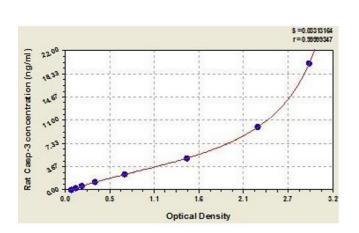
<ul> <li>Do not mix or substitute reagents with those from other lots or sources.</li> <li>If samples generate values higher than the highest standard, dilute the samples with Samp Diluent and repeat the assay.</li> <li>Any variation in Sample Diluent, operator, pipetting technique, washing technique, incubatil time/temperature and kit age can cause variation in binding.</li> <li>This assay is designed to eliminate interference by soluble receptors, binding proteins and other factors present in biological samples. Until all factors have been tested in the Immunoassay, the possibility of interference cannot be excluded.</li> <li>Storage: 4 °C/-20 °C</li> <li>Storage Comment: For unopened kit: All the reagents should be kept according to the labels on vials.</li> <li>Expiry Date: 6 months</li> <li>Publications</li> <li>Product cited in: Salama, Tadros, Schaalan, Bahaa, Abdel-Tawab, Khalifa: 'Potential neuroprotective effect of androst-5-ene-3β, 17β-diol (ADIOL) on the striatum, and substantia nigra in Parkinson's disear rat model.' in: Journal of cellular physiology, Vol. 233, Issue 8, pp. 5981-6000, (2019) (PubM ).</li> <li>El-Sayyad, Soubh, Awad, El-Abhar: "Mangiferin protects against intestinal ischemia/reperfusi induced liver injury: Involvement of PPAR-y, GSK-3β and Wnt/β-catenin pathway.'' in: Europear journal of pharmacology, Vol. 809, pp. 80-86, (2018) (PubMed).</li> <li>El-Sayed, Mansour, El-Sawy: "Alpha lipoic acid prevents doxorubicin-induced nephrotoxicity b</li> </ul>	Precaution of Use:	The Stop Solution provided with this kit is an acid solution. Wear eye, hand, face and clothing
<ul> <li>Do not mix or substitute reagents with those from other lots or sources.</li> <li>If samples generate values higher than the highest standard, dilute the samples with Samp Diluent and repeat the assay.</li> <li>Any variation in Sample Diluent, operator, pipetting technique, washing technique, incubati time/temperature and kit age can cause variation in binding.</li> <li>This assay is designed to eliminate interference by soluble receptors, binding proteins and other factors present in biological samples. Until all factors have been tested in the Immunoassay, the possibility of interference cannot be excluded.</li> <li>Storage: 4 °C/-20 °C</li> <li>Storage Comment: For unopened kit: All the reagents should be kept according to the labels on vials.</li> <li>Expiry Date: 6 months</li> <li>Publications</li> <li>Product cited in: Salama, Tadros, Schaalan, Bahaa, Abdel-Tawab, Khalifa: 'Potential neuroprotective effect of androst: 5-ene-39, 17p-diol (ADICL) on the striatum, and substantia nigra in Parkinson's disec rat model." in: Journal of cellular physiology, Vol. 233, Issue 8, pp. 5981-6000, (2019) (PubM ).</li> <li>El-Sayyad, Soubh, Awad, El-Abhar. "Mangiferin protects against intestinal ischemia/reperfusi induced liver injury: Involvement of PPAR-y, GSK-38 and Wht/B-catenin pathway." In: Europer journal of pharmacology, Vol. 809, pp. 80-86, (2018) (PubMed).</li> <li>El-Sayed, Mansour, El-Sawy: 'Alpha lipoic acid prevents doxonubicin-induced nephrotoxicity b mittigation of oxidative stress, inflammation, and apoptosis in rats." In: Journal of biochemic and molecular toxicology, Vol. 31, Issue 9, (2018) (PubMed).</li> <li>Zhao, Tang, Zhang, Liu, Li: 'Magnesium isoglycyrrhizinate protects against renal-ischemia-reperfusion injury in a rat model via anti-inflammation, anti-oxidation and anti-apoptosis." In: Molecular medicine reports, Vol. 16, Issue 3, pp. 3627-3633, (2018) ( PubMed).</li> </ul>		protection when using this material.
<ul> <li>If samples generate values higher than the highest standard, dilute the samples with Samp Diluent and repeat the assay.</li> <li>Any variation in Sample Diluent, operator, pipetting technique, washing technique, incubati time/tempetature and kit age can cause variation in binding.</li> <li>This assay is designed to eliminate interference by soluble receptors, binding proteins and other factors present in biological samples. Until all factors have been tested in the Immunoassay, the possibility of interference cannot be excluded.</li> <li>Storage Comment: For unopened kit: All the reagents should be kept according to the labels on vials.</li> <li>Expiry Date: 6 months</li> <li>Publications</li> <li>Product cited in: Salama, Tadros, Schaalan, Bahaa, Abdel-Tawab, Khalifa: 'Potential neuroprotective effect of androst-5-ene-3β, 17β-diol (ADIOL) on the striatum, and substantia nigra in Parkinson's disec rat model.' in: Journal of cellular physiology, Vol. 233, Issue 8, pp. 5981-6000, (2019) (PubM ).</li> <li>El-Sayyad, Soubh, Awad, El-Abhar: 'Mangiferin protects against Intestinal ischemia/reperfusi induced liver injury: Involvement of PPAR-y, GSK-3β and Wnt/β-catenin pathway.' in: Europer journal of pharmacology, Vol. 809, pp. 80-86, (2018) (PubMed).</li> <li>El-Sayed, Mansour, El-Sawy: 'Alpha lippic acid prevents doxorubicin-induced nephrotoxicity b mitigation of oxidative stress, inflammation, and apoptosis in rats.' in: Journal of biochemic and molecular toxicology, Vol. 31, Issue 9, (2018) (PubMed).</li> <li>Zhao, Tang, Zhang, Liu, Li: 'Magnesium isoglycymhizinate protects against renal-ischemia-reperfusion injury in a rat model via anti-inflammation, anti-oxidation and anti-apoptosis.' in: Molecular medicine reports, Vol. 16, Issue 3, pp. 3627-3633, (2018) ( PubMed).</li> </ul>	Handling Advice:	• The kit should not be used beyond the expiration date on the kit label.
Diluent and repeat the assay.       Any variation in Sample Diluent, operator, pipetting technique, washing technique, incubatititime/temperature and kit age can cause variation in binding.         This assay is designed to eliminate interference by soluble receptors, binding proteins and other factors present in biological samples. Until all factors have been tested in the Immunoassay, the possibility of interference cannot be excluded.         Storage       4 "C/-20 "C         Storage Comment:       For unopened kit. All the reagents should be kept according to the labels on vials.         Explip Date:       6 months         Publications       9         Product cited in:       Salama, Tadros, Schaalan, Bahaa, Abdel-Tawab, Khalifa: "Potential neuroprotective effect of androst-5-ene-38, 178-diol (ADIOL) on the striatum, and substantia nigra in Parkinson's disect rat model." in: Journal of cellular physiology, Vol. 233, Issue 8, pp. 5981-6000, (2019) (PubM ).         El-Sayyad, Soubh, Awad, El-Abhar: "Mangiferin protects against intestinal ischemia/reperfusi-induced liver injury: Involvement of PPAR-y, GSK-38 and Wnt/β-catenin pathway." in: Europer- journal of pharmacology, Vol. 809, pp. 80-86, (2018) (PubMet).         El-Sayed, Mansour, El-Sawy: "Alpha lipoic acid prevents doxorubicin-induced nephrotoxicity b mitigation of oxidative stress, inflammation, and apoptosis in rats." in: Journal of biochemic and molecular toxicology, Vol. 31, Issue 9, (2018) (PubMet).         Zhao, Tang, Zhang, Liu, Li: "Magnesium isoglycyrrhizinate protects against renal-ischemia-reperfusion injury in a rat model via anti-inflammation, anti-oxidation and anti-apoptosis." in: Molecular medicine reports, Vol. 16, Issue 3,		-
time/temperature and kit age can cause variation in binding.       This assay is designed to eliminate interference by soluble receptors, binding proteins and other factors present in biological samples. Until all factors have been tested in the Immunoassay, the possibility of interference cannot be excluded.         Storage:       4 *C/-20 *C         Storage Comment:       For unopened kit: All the reagents should be kept according to the labels on vials.         Expiry Date:       6 months         Publications       Salarma, Tadros, Schaalan, Bahaa, Abdel-Tawab, Khalifa: "Potential neuroprotective effect of androst-5-ene-3B, 17B-diol (ADIOL) on the striatum, and substantia nigra in Parkinson's disce rat model." in: Journal of cellular physiology, Vol. 233, Issue 8, pp. 5981-6000, (2019) (PubM ).         El-Sayyad, Soubh, Awad, El-Abhar: "Mangiferin protects against intestinal ischemia/reperfusilinduced liver injury: involvement of PPAR-y, GSK-3B and Wnt/B-catenin pathway." in: Europer journal of pharmacology, Vol. 809, pp. 80-86, (2018) (PubMed).         El-Sayad, Mansour, El-Sawy: "Alpha lipoic acid prevents doxorubicin-induced nephrotoxicity binitigation of oxidative stress, inflammation, and apoptosis in rats." In: Journal of biochemic and molecular toxicology, Vol. 31, Issue 9, (2018) (PubMed).         Zhao, Tang, Zhang, Liu, Li: "Magnesium isoglycyrrhizinate protects against renal-ischemia-reperfusion injury in a rat model via anti-inflammation, ant-oxidation and anti-apoptosis" in: Molecular medicine reports, Vol. 16, Issue 3, pp. 3627-3633, (2018) (PubMed).		
other factors present in biological samples. Until all factors have been tested in the Immunoassay, the possibility of interference cannot be excluded.         Storage:       4 "C/-20 "C         Storage Comment:       For unopened kit: All the reagents should be kept according to the labels on vials.         Expiry Date:       6 months         Publications       6 months         Product cited in:       Salama, Tadros, Schaalan, Bahaa, Abdel-Tawab, Khalifa: 'Potential neuroprotective effect of androst-5-ene-39, 179-diol (ADIOL) on the striatum, and substantia nigra in Parkinson's disce rat model." in: Journal of cellular physiology, Vol. 233, Issue 8, pp. 5981-6000, (2019) (PubM ).         El-Sayyad, Soubh, Awad, El-Abhar: "Mangiferin protects against intestinal ischemia/reperfusi induced liver injury: Involvement of PPAR-v, GSK-38 and Wnt/9-catenin pathway." in: Europer journal of pharmacology, Vol. 809, pp. 80-86, (2018) (PubMed).         El-Sayed, Mansour, El-Sawy: "Alpha lipoic acid prevents doxorubicin-induced nephrotoxicity b mitigation of oxidative stress, inflammation, and apoptosis in rats." in: Journal of biochemic and molecular toxicology, Vol. 31, Issue 9, (2018) (PubMed).         Zhao, Tang, Zhang, Liu, Li: "Magnesium isoglycyrrhizinate protects against renal-ischemia-reperfusion injury in a rat model via anti-inflammation, anti-oxidation and anti-apoptosis" in: Molecular medicine reports, Vol. 16, Issue 3, pp. 3627-3633, (2018) (PubMed).		<ul> <li>Any variation in Sample Diluent, operator, pipetting technique, washing technique, incubatior time/temperature and kit age can cause variation in binding.</li> </ul>
Immunoassay, the possibility of interference cannot be excluded.         Storage:       4 °C/-20 °C         Storage Comment:       For unopened kit: All the reagents should be kept according to the labels on vials.         Expiry Date:       6 months         Publications       For unopened kit: All the reagents should be kept according to the labels on vials.         Product cited in:       Salama, Tadros, Schaalan, Bahaa, Abdel-Tawab, Khalifa: "Potential neuroprotective effect of androst-5-ene-3β, 17β-diol (ADIOL) on the striatum, and substantia nigra in Parkinson's disear rat model." in: Journal of cellular physiology, Vol. 233, Issue 8, pp. 5981-6000, (2019) (PubM ).         EI-Sayyad, Soubh, Awad, EI-Abhar: "Mangiferin protects against intestinal ischemia/reperfusi induced liver injury. Involvement of PPAR-Y, GSK-3β and Wht/β-catenin pathway." in: Europer journal of pharmacology, Vol. 809, pp. 80-86, (2018) (PubMed).         EI-Sayyed, Mansour, EI-Sawy: "Alpha lipoic acid prevents doxorubicin-induced nephrotoxicity b mitigation of oxidative stress, inflammation, and apoptosis in rats." in: Journal of biochemic and molecular toxicology, Vol. 31, Issue 9, (2018) (PubMed).         Zhao, Tang, Zhang, Liu, Li: "Magnesium isoglycyrrhizinate protects against renal-ischemia-reperfusion injury in a rat model via anti-inflammation, anti-oxidation and anti-apoptosis." in: Molecular medicine reports, Vol. 16, Issue 3, pp. 3627-3633, (2018) (PubMed).		
Storage:       4 °C/-20 °C         Storage Comment:       For unopened kit: All the reagents should be kept according to the labels on vials.         Expiry Date:       6 months         Publications       9         Product cited in:       Salama, Tadros, Schaalan, Bahaa, Abdel-Tawab, Khalifa: 'Potential neuroprotective effect of androst-5-ene-3β, 17β-diol (ADIOL) on the striatum, and substantia nigra in Parkinson's disear rat model." in: Journal of cellular physiology, Vol. 233, Issue 8, pp. 5981-6000, (2019) (PubM ).         EI-Sayyad, Soubh, Awad, EI-Abhar: 'Mangiferin protects against intestinal ischemia/reperfusio induced liver injury: Involvement of PPAR-y, GSK-3β and Wnt/β-catenin pathway." in: Europer journal of pharmacology, Vol. 809, pp. 80-86, (2018) (PubMed).         EI-Sayed, Mansour, EI-Sawy: 'Alpha lipoic acid prevents doxorubicin-induced nephrotoxicity b mitigation of oxidative stress, inflammation, and apoptosis in rats." in: Journal of biochemic and molecular toxicology, Vol. 31, Issue 9, (2018) (PubMed).         Zhao, Tang, Zhang, Liu, Li: 'Magnesium isoglycyrrhizinate protects against renal-ischemia-reperfusion injury in a rat model via anti-inflammation, anti-oxidation and anti-apoptosis." in: Molecular medicine reports, Vol. 16, Issue 3, pp. 3627-3633, (2018) (PubMed).		
Storage Comment:       For unopened kit: All the reagents should be kept according to the labels on vials.         Expiry Date:       6 months         Publications		Immunoassay, the possibility of interference cannot be excluded.
Expiry Date:       6 months         Publications       Salama, Tadros, Schaalan, Bahaa, Abdel-Tawab, Khalifa: "Potential neuroprotective effect of androst-5-ene-3β, 17β-diol (ADIOL) on the striatum, and substantia nigra in Parkinson's disec rat model." in: Journal of cellular physiology, Vol. 233, Issue 8, pp. 5981-6000, (2019) (PubM ).         EI-Sayyad, Soubh, Awad, EI-Abhar: "Mangiferin protects against intestinal ischemia/reperfusi induced liver injury: Involvement of PPAR-γ, GSK-3β and Wnt/β-catenin pathway." in: Europea journal of pharmacology, Vol. 809, pp. 80-86, (2018) (PubMed).         EI-Sayyad, Mansour, EI-Sawy: "Alpha lipoic acid prevents doxorubicin-induced nephrotoxicity b mitigation of oxidative stress, inflammation, and apoptosis in rats." in: Journal of biochemica and molecular toxicology, Vol. 31, Issue 9, (2018) (PubMed).         Zhao, Tang, Zhang, Liu, Li: "Magnesium isoglycyrrhizinate protects against renal-ischemia-reperfusion injury in a rat model via anti-inflammation, anti-oxidation and anti-apoptosis." in: Molecular medicine reports, Vol. 16, Issue 3, pp. 3627-3633, (2018) (PubMed).	Storage:	4 °C/-20 °C
Publications         Product cited in:       Salama, Tadros, Schaalan, Bahaa, Abdel-Tawab, Khalifa: "Potential neuroprotective effect of androst-5-ene-3β, 17β-diol (ADIOL) on the striatum, and substantia nigra in Parkinson's disea rat model." in: Journal of cellular physiology, Vol. 233, Issue 8, pp. 5981-6000, (2019) (PubM ).         El-Sayyad, Soubh, Awad, El-Abhar: "Mangiferin protects against intestinal ischemia/reperfusi-induced liver injury: Involvement of PPAR-y, GSK-3β and Wnt/β-catenin pathway." in: Europer journal of pharmacology, Vol. 809, pp. 80-86, (2018) (PubMed).         El-Sayed, Mansour, El-Sawy: "Alpha lipoic acid prevents doxorubicin-induced nephrotoxicity b mitigation of oxidative stress, inflammation, and apoptosis in rats." in: Journal of biochemic and molecular toxicology, Vol. 31, Issue 9, (2018) (PubMed).         Zhao, Tang, Zhang, Liu, Li: "Magnesium isoglycyrrhizinate protects against renal-ischemia-reperfusion injury in a rat model via anti-inflammation, anti-oxidation and anti-apoptosis." in: Molecular medicine reports, Vol. 16, Issue 3, pp. 3627-3633, (2018) (PubMed).	Storage Comment:	For unopened kit: All the reagents should be kept according to the labels on vials.
<ul> <li>Product cited in: Salama, Tadros, Schaalan, Bahaa, Abdel-Tawab, Khalifa: "Potential neuroprotective effect of androst-5-ene-3β, 17β-diol (ADIOL) on the striatum, and substantia nigra in Parkinson's disec rat model." in: Journal of cellular physiology, Vol. 233, Issue 8, pp. 5981-6000, (2019) (PubM).</li> <li>El-Sayyad, Soubh, Awad, El-Abhar: "Mangiferin protects against intestinal ischemia/reperfusion induced liver injury: Involvement of PPAR-γ, GSK-3β and Wnt/β-catenin pathway." in: Europer journal of pharmacology, Vol. 809, pp. 80-86, (2018) (PubMed).</li> <li>El-Sayed, Mansour, El-Sawy: "Alpha lipoic acid prevents doxorubicin-induced nephrotoxicity b mitigation of oxidative stress, inflammation, and apoptosis in rats." in: Journal of biochemic and molecular toxicology, Vol. 31, Issue 9, (2018) (PubMed).</li> <li>Zhao, Tang, Zhang, Liu, Li: "Magnesium isoglycyrrhizinate protects against renal-ischemia-reperfusion injury in a rat model via anti-inflammation, anti-oxidation and anti-apoptosis." in: Molecular medicine reports, Vol. 16, Issue 3, pp. 3627-3633, (2018) (PubMed).</li> </ul>	Expiry Date:	6 months
androst-5-ene-3β, 17β-diol (ADIOL) on the striatum, and substantia nigra in Parkinson's disea rat model." in: <b>Journal of cellular physiology</b> , Vol. 233, Issue 8, pp. 5981-6000, (2019) (PubM ). EI-Sayyad, Soubh, Awad, EI-Abhar: "Mangiferin protects against intestinal ischemia/reperfusi induced liver injury: Involvement of PPAR-γ, GSK-3β and Wnt/β-catenin pathway." in: <b>Europea</b> <b>journal of pharmacology</b> , Vol. 809, pp. 80-86, (2018) (PubMed). EI-Sayed, Mansour, EI-Sawy: "Alpha lipoic acid prevents doxorubicin-induced nephrotoxicity b mitigation of oxidative stress, inflammation, and apoptosis in rats." in: <b>Journal of biochemic</b> <b>and molecular toxicology</b> , Vol. 31, Issue 9, (2018) (PubMed). Zhao, Tang, Zhang, Liu, Li: "Magnesium isoglycyrrhizinate protects against renal-ischemia-reperfusion injury in a rat model via anti-inflammation, anti-oxidation and anti-apoptosis." in: <b>Molecular medicine reports</b> , Vol. 16, Issue 3, pp. 3627-3633, (2018) ( PubMed).	Publications	
rat model." in: Journal of cellular physiology, Vol. 233, Issue 8, pp. 5981-6000, (2019) (PubM ). EI-Sayyad, Soubh, Awad, EI-Abhar: "Mangiferin protects against intestinal ischemia/reperfusic induced liver injury: Involvement of PPAR-γ, GSK-3β and Wnt/β-catenin pathway." in: Europer journal of pharmacology, Vol. 809, pp. 80-86, (2018) (PubMed). EI-Sayed, Mansour, EI-Sawy: "Alpha lipoic acid prevents doxorubicin-induced nephrotoxicity b mitigation of oxidative stress, inflammation, and apoptosis in rats." in: Journal of biochemic and molecular toxicology, Vol. 31, Issue 9, (2018) (PubMed). Zhao, Tang, Zhang, Liu, Li: "Magnesium isoglycyrrhizinate protects against renal-ischemia-reperfusion injury in a rat model via anti-inflammation, anti-oxidation and anti-apoptosis." in: Molecular medicine reports, Vol. 16, Issue 3, pp. 3627-3633, (2018) ( PubMed).	Product cited in:	Salama, Tadros, Schaalan, Bahaa, Abdel-Tawab, Khalifa: "Potential neuroprotective effect of
). EI-Sayyad, Soubh, Awad, EI-Abhar: "Mangiferin protects against intestinal ischemia/reperfusion induced liver injury: Involvement of PPAR-γ, GSK-3β and Wnt/β-catenin pathway." in: Europer journal of pharmacology, Vol. 809, pp. 80-86, (2018) (PubMed). EI-Sayed, Mansour, EI-Sawy: "Alpha lipoic acid prevents doxorubicin-induced nephrotoxicity b mitigation of oxidative stress, inflammation, and apoptosis in rats." in: Journal of biochemic and molecular toxicology, Vol. 31, Issue 9, (2018) (PubMed). Zhao, Tang, Zhang, Liu, Li: "Magnesium isoglycyrrhizinate protects against renal-ischemia-reperfusion injury in a rat model via anti-inflammation, anti-oxidation and anti-apoptosis." in: Molecular medicine reports, Vol. 16, Issue 3, pp. 3627-3633, (2018) ( PubMed).		androst-5-ene-3 $eta$ , 17 $eta$ -diol (ADIOL) on the striatum, and substantia nigra in Parkinson's diseas
induced liver injury: Involvement of PPAR-γ, GSK-3β and Wnt/β-catenin pathway." in: <b>Europer</b> <b>journal of pharmacology</b> , Vol. 809, pp. 80-86, (2018) (PubMed). EI-Sayed, Mansour, EI-Sawy: "Alpha lipoic acid prevents doxorubicin-induced nephrotoxicity b mitigation of oxidative stress, inflammation, and apoptosis in rats." in: <b>Journal of biochemic:</b> <b>and molecular toxicology</b> , Vol. 31, Issue 9, (2018) (PubMed). Zhao, Tang, Zhang, Liu, Li: "Magnesium isoglycyrrhizinate protects against renal-ischemia-reperfusion injury in a rat model via anti-inflammation, anti-oxidation and anti-apoptosis." in: <b>Molecular medicine reports</b> , Vol. 16, Issue 3, pp. 3627-3633, (2018) ( PubMed).		rat model." in: <b>Journal of cellular physiology</b> , Vol. 233, Issue 8, pp. 5981-6000, (2019) (PubMe
induced liver injury: Involvement of PPAR-γ, GSK-3β and Wnt/β-catenin pathway." in: <b>Europer</b> <b>journal of pharmacology</b> , Vol. 809, pp. 80-86, (2018) (PubMed). EI-Sayed, Mansour, EI-Sawy: "Alpha lipoic acid prevents doxorubicin-induced nephrotoxicity b mitigation of oxidative stress, inflammation, and apoptosis in rats." in: <b>Journal of biochemic:</b> <b>and molecular toxicology</b> , Vol. 31, Issue 9, (2018) (PubMed). Zhao, Tang, Zhang, Liu, Li: "Magnesium isoglycyrrhizinate protects against renal-ischemia-reperfusion injury in a rat model via anti-inflammation, anti-oxidation and anti-apoptosis." in: <b>Molecular medicine reports</b> , Vol. 16, Issue 3, pp. 3627-3633, (2018) ( PubMed).		).
journal of pharmacology, Vol. 809, pp. 80-86, (2018) (PubMed). El-Sayed, Mansour, El-Sawy: "Alpha lipoic acid prevents doxorubicin-induced nephrotoxicity b mitigation of oxidative stress, inflammation, and apoptosis in rats." in: Journal of biochemic: and molecular toxicology, Vol. 31, Issue 9, (2018) (PubMed). Zhao, Tang, Zhang, Liu, Li: "Magnesium isoglycyrrhizinate protects against renal-ischemia-reperfusion injury in a rat model via anti-inflammation, anti-oxidation and anti-apoptosis." in: Molecular medicine reports, Vol. 16, Issue 3, pp. 3627-3633, (2018) ( PubMed).		El-Sayyad, Soubh, Awad, El-Abhar: "Mangiferin protects against intestinal ischemia/reperfusion
El-Sayed, Mansour, El-Sawy: "Alpha lipoic acid prevents doxorubicin-induced nephrotoxicity b mitigation of oxidative stress, inflammation, and apoptosis in rats." in: <b>Journal of biochemic:</b> <b>and molecular toxicology</b> , Vol. 31, Issue 9, (2018) (PubMed). Zhao, Tang, Zhang, Liu, Li: "Magnesium isoglycyrrhizinate protects against renal-ischemia-reperfusion injury in a rat model via anti-inflammation, anti-oxidation and anti-apoptosis." in: <b>Molecular medicine reports</b> , Vol. 16, Issue 3, pp. 3627-3633, (2018) ( PubMed).		induced liver injury: Involvement of PPAR-γ, GSK-3β and Wnt/β-catenin pathway." in: <b>European</b>
mitigation of oxidative stress, inflammation, and apoptosis in rats." in: Journal of biochemic: and molecular toxicology, Vol. 31, Issue 9, (2018) (PubMed). Zhao, Tang, Zhang, Liu, Li: "Magnesium isoglycyrrhizinate protects against renal-ischemia-reperfusion injury in a rat model via anti-inflammation, anti-oxidation and anti-apoptosis." in: Molecular medicine reports, Vol. 16, Issue 3, pp. 3627-3633, (2018) ( PubMed).		journal of pharmacology, Vol. 809, pp. 80-86, (2018) (PubMed).
and molecular toxicology, Vol. 31, Issue 9, (2018) (PubMed). Zhao, Tang, Zhang, Liu, Li: "Magnesium isoglycyrrhizinate protects against renal-ischemia-reperfusion injury in a rat model via anti-inflammation, anti-oxidation and anti-apoptosis." in: <b>Molecular medicine reports</b> , Vol. 16, Issue 3, pp. 3627-3633, (2018) ( PubMed).		El-Sayed, Mansour, El-Sawy: "Alpha lipoic acid prevents doxorubicin-induced nephrotoxicity by
Zhao, Tang, Zhang, Liu, Li: "Magnesium isoglycyrrhizinate protects against renal-ischemia-reperfusion injury in a rat model via anti-inflammation, anti-oxidation and anti-apoptosis." in: <b>Molecular medicine reports</b> , Vol. 16, Issue 3, pp. 3627-3633, (2018) ( PubMed).		mitigation of oxidative stress, inflammation, and apoptosis in rats." in: Journal of biochemical
renal-ischemia-reperfusion injury in a rat model via anti-inflammation, anti-oxidation and anti-apoptosis." in: <b>Molecular medicine reports</b> , Vol. 16, Issue 3, pp. 3627-3633, (2018) ( PubMed).		and molecular toxicology, Vol. 31, Issue 9, (2018) (PubMed).
anti-apoptosis." in: <b>Molecular medicine reports</b> , Vol. 16, Issue 3, pp. 3627-3633, (2018) ( PubMed).		Zhao, Tang, Zhang, Liu, Li: "Magnesium isoglycyrrhizinate protects against
PubMed).		renal-ischemia-reperfusion injury in a rat model via anti-inflammation, anti-oxidation and
		anti-apoptosis." in: <b>Molecular medicine reports</b> , Vol. 16, Issue 3, pp. 3627-3633, (2018) (
El-Sayed, Mansour, El-Sawy: "Protective effect of proanthocyanidins against doxorubicin-		PubMed).
		El-Sayed, Mansour, El-Sawy: "Protective effect of proanthocyanidins against doxorubicin-

Page 5/6 | Product datasheet for ABIN811984 | 07/26/2024 | Copyright antibodies-online. All rights reserved.

induced nephrotoxicity in rats." in: **Journal of biochemical and molecular toxicology**, Vol. 31, Issue 11, (2018) (PubMed).

There are more publications referencing this product on: Product page

#### Images



#### ELISA

Image 1. Typical standard curve

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 6/6 | Product datasheet for ABIN811984 | 07/26/2024 | Copyright antibodies-online. All rights reserved.