.-online.com antibodies

Datasheet for ABIN6574162 KRT15 ELISA Kit

4 Images

1 Publication



Overview

Quantity:	96 tests
Target:	KRT15
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	31.2 pg/mL - 2000 pg/mL
Minimum Detection Limit:	31.2 pg/mL
Application:	ELISA
Product Details	
Purpose:	The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of KRT15 in
	human serum, plasma, tissue homogenates.
	We offer validation data (WB) for the kit components. So you can be sure to order a reliable
	ELISA kit product composed of high quality reagents.
Sample Type:	Plasma, Serum, Tissue Homogenate
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	This assay has high sensitivity and excellent specificity for detection of Cytokeratin 15 (CK15)
Cross-Reactivity (Details):	No significant cross-reactivity or interference between Keratin 15 (KRT15) and analogues was
	observed.
Sensitivity:	12.7 pg/mL

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 ABIN6574162 | 09/10/2023 | Copyright antibodies-online. All rights reserved.

Product Details

Components:

- Pre-coated, ready to use 96-well strip plate, flat buttom
- Plate sealer for 96 wells
- Reference Standard
- Standard Diluent
- Detection Reagent A
- Detection Reagent B
- Assay Diluent A
- Assay Diluent B
- Reagent Diluent (if Detection Reagent is lyophilized)
- TMB Substrate
- Stop Solution
- Wash Buffer (30 x concentrate)
- Instruction manual

Target Details

Target:	KRT15
Alternative Name:	Cytokeratin 15 (CK15) (KRT15 Products)
UniProt:	P19012

Application Details

Comment:	Information on standard material:
	The standard might be recombinant protein or natural protein, that will depend on the specific
	kit. Moreover, the expression system is E.coli or yeast or mammal cell. There is 0.05% proclin
	300 in the standard as preservative.
	Information on reagents:
	The stop solution used in the kit is sulfuric acid with concentration of 1 mol/L. And the wash
	solution is TBS. The standard diluent contains 0.02 % sodium azide, assay diluent A and assay
	diluent B contain 0.01% sodium azide. Some kits can contain is BSA in them.
	Information on antibodies:
	The provided antibodies and their host vary in different kits.
Sample Volume:	100 µL
Assay Time:	3 h
Plate:	Pre-coated

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 ABIN6574162 | 09/10/2023 | Copyright antibodies-online. All rights reserved.

Application Details

Protocol:	1. Prepare all reagents, samples and standards,
	 Add 100µL standard or sample to each well. Incubate 1 hours at 37 °C, Aspirate and add 100µL prepared Detection Reagent A. Incubate 1 hour at 37 °C,
	4. Aspirate and wash 3 times,
	5. Add 100 μ L prepared Detection Reagent B. Incubate 30 minutes at 37 °C,
	6. Aspirate and wash 5 times,
	7. Add 90µL Substrate Solution. Incubate 10-20 minutes at 37 °C,
	8. Add 50µL Stop Solution. Read at 450nm immediately.
Reagent Preparation:	1. Bring all kit components and samples to room temperature (18-25 °C) before use. If the kit will not be used up in one time, please only take out strips and reagents for present
	experiment, and leave the remaining strips and reagents in required condition.
	 Standard - Reconstitute the Standard with 0.5 mL of Standard Diluent, keep for 10 minutes at room temperature, shake gently (not to foam). The concentration of the standard in the stock
	solution is 2,000pg/mL. Prepare 7 tubes containing 0.25 mL Standard Diluent and produce a
	double dilution series. Mix each tube thoroughly before the next transfer. Set up 7 points of
	diluted standard such as 2,000pg/mL, 1,000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL,
	62.5pg/mL, 31.2pg/mL, and the last microcentrifuge tube with Standard Diluent is the blank
	as Opg/mL.
	3. Detection Reagent A and Detection Reagent B - If lyophilized reconstitute the Detection Reagent A with 150µL of Reagent Diluent, keep for 10 minutes at room temperature, shake
	gently (not to foam). Briefly spin or centrifuge the stock Detection A and Detection B before
	use. Dilute them to the working concentration 100-fold with Assay Diluent A and B,
	respectively.
	4. Wash Solution - Dilute 20 mL of Wash Solution concentrate (30x) with 580 mL of deionized
	or distilled water to prepare 600 mL of Wash Solution (1x).
	5. TMB substrate - Aspirate the needed dosage of the solution with sterilized tips and do not
	dump the residual solution into the vial again.
	Note:
	1. Making serial dilution in the wells directly is not permitted.
	 Prepare standards within 15 minutes before assay. Please do not dissolve the reagents at 37 °C directly.
	3. Please carefully reconstitute Standards or working Detection Reagent A and B according to the instruction, and avoid foaming and mix gently until the crystals are 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 for one pipetting.4. The reconstituted Standards, Detection Reagent A and Detection Reagent B can be used only once
	once. 5. If crystals have formed in the Wash Solution concentrate (30x), warm to room temperature
	and mix gently until the crystals are completely dissolved.
	6. Contaminated water or container for reagent preparation will influence the detection result.
Sample Preparation:	• It is recommended to use fresh samples without long storage, otherwise protein degradation

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 ABIN6574162 | 09/10/2023 | Copyright antibodies-online. All rights reserved.

Cho, Kang, Lee, Lee, Seol, Lee, Park, Jung: "Effect of SFRP5 (Secreted Frizzled-Related Protein S
6 months
desiccant and seal the foil pouch with the zipper.
conditions. In addition, please return the unused wells to the foil pouch containing the
at -20 °C upon receipt, while the other reagents should be stored at 4 °C. 2. For opened kits: the remaining reagents must be stored according to the above storage
Standard, Detection Reagent A, Detection Reagent B, and 96-well Strip Plate should be store
1. For unopened kit: All reagents should be stored according to the labels on the vials. The
4 °C/-20 °C
clothing protection when using this material.
The Stop Solution suggested for use with this kit is an acid solution. Wear eye, hand, face, and
For Research Use only
Inter-Assay: CV < 12%
Intra-Assay: CV < 10%
CV(%) = SD/meanX100
target were tested on 3 different plates, 8 replicates in each plate.
target were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level of
Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level of
experiment has to be determined.Samples should then be diluted with PBS (pH =7.0-7.2).
• Please estimate the concentration of the samples before performing the test. If the values are not in therange of the standard curve, the optimal sample dilution for the particular
recommended dilution factor is for reference only.
possibility of causing a deviation due to the introduced chemical substance. The
determinecompatibility with the kit.If a lysis buffer is used to prepare tissue homogenates or cell culture supernatant, there is a
If the sample type is not specified in the instructions, a preliminary test is necessary to
samples should be slowly thawed and centrifuged toremove precipitates.
3 months). Repeated freeze-thawcycles should be avoided. Prior to assay, the frozen

International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 4/6 | Product datasheet for ABIN6574162 | 09/10/2023 | Copyright antibodies-online. All rights reserved. on the WNT5A (Wingless-Type Family Member 5A)-Induced Endothelial Dysfunction and Its Relevance With Arterial Stiffness in Human Subjects." in: **Arteriosclerosis, thrombosis, and vascular biology**, Vol. 38, Issue 6, pp. 1358-1367, (2018) (PubMed).

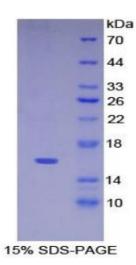
Schulte, Kragelund, Müller, Hagen, Elke, Titz, Schädler, Schumacher, Weiler, Bewig, Schreiber, Laudes: "The wingless-related integration site-5a/secreted frizzled-related protein-5 system is dysregulated in human sepsis." in: **Clinical and experimental immunology**, Vol. 180, Issue 1, pp. 90-7, (2015) (PubMed).

Chatani, Kamada, Kizu, Ogura, Furuta, Egawa, Hamano, Ezaki, Kiso, Shimono, Ouchi, Yoshida, Takehara: "Secreted frizzled-related protein 5 (Sfrp5) decreases hepatic stellate cell activation and liver fibrosis." in: **Liver international : official journal of the International Association for the Study of the Liver**, Vol. 35, Issue 8, pp. 2017-26, (2015) (PubMed).

Xu, Xu, Zhao, Yang, Liu, Wen, Zhang: "Wnt5a reverses the inhibitory effect of hyperoxia on transdifferentiation of alveolar epithelial type II cells to type I cells." in: **Journal of physiology and biochemistry**, Vol. 71, Issue 4, pp. 823-38, (2015) (PubMed).

Bougault, Briolay, Boutet, Pilet, Delplace, Le Goff, Guicheux, Blanchard, Magne: "Wnt5a is expressed in spondyloarthritis and exerts opposite effects on enthesis and bone in murine organ and cell cultures." in: **Translational research : the journal of laboratory and clinical medicine**, (2015) (PubMed).

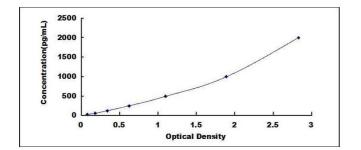
Images



SDS-PAGE

Image 1. SDS-PAGE of Protein Standard from the Kit (Highly purified E. coli-expressed recombinant human CK15).

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 ABIN6574162 | 09/10/2023 | Copyright antibodies-online. All rights reserved.



kDa 70-44-33-26-22-18-16kDa 14-10-

ELISA

Image 2. Typical standard curve

Western Blotting					
Image 3.	WB of	Protein	Standard: different control		
antibodies	against	Highly	purified E. coli-expressed		
recombinant human CK15.					

Please check the product details page for more images. Overall 4 images are available for ABIN6574162.

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 ABIN6574162 | 09/10/2023 | Copyright antibodies-online. All rights reserved.