.-online.com antibodies

Datasheet for ABIN6960281 TNFRSF11A ELISA Kit

1 Image

2 Publications



Overview

Quantity:	96 tests
Target:	TNFRSF11A
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	0.15 ng/mL - 10 ng/mL
Minimum Detection Limit:	0.15 ng/mL
Application:	ELISA

Product Details

Purpose:	The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of RANk in human tissue homogenates, cell lysates.	
Sample Type:	Cell Lysate, Tissue Homogenate	
Analytical Method:	Quantitative	
Detection Method:	Colorimetric	
Specificity:	This assay has high sensitivity and excellent specificity for detection of Receptor Activator Of Nuclear Factor Kappa B (RANk)	
Sensitivity:	0.058 ng/mL	
Components:	 Pre-coated, ready to use 96-well strip plate, flat buttom Plate sealer for 96 wells Reference Standard 	
	Otan davel Dilyant	

• Standard Diluent

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 1/5 | Product datasheet for ABIN6960281 | 09/10/2023 | Copyright antibodies-online. All rights reserved.

- 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:	TNFRSF11A
Alternative Name:	Receptor Activator Of Nuclear Factor Kappa B (RANk) (TNFRSF11A Products)
Pathways:	NF-kappaB Signaling
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
Protocol:	1. Prepare all reagents, samples and standards,
	2. Add 100 μ L standard or sample to each well. Incubate 1 hours at 37 °C,
	3. Aspirate and add 100 μL prepared Detection Reagent A. Incubate 1 hour at 37 °C,

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 2/5 | Product datasheet for ABIN6960281 | 09/10/2023 | Copyright antibodies-online. All rights reserved.

4. Aspirate and	wash 3 times,
-----------------	---------------

- 5. Add 100µL 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.

- Standard Reconstitute the Standard with 1.0 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 10 ng/mL. Prepare 7 tubes containing 0.5 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 10 ng/mL, 5 ng/mL, 2.5 ng/mL, 1.25 ng/mL, 0.625 ng/mL, 0.312 ng/mL, 0.156 ng/mL, and the last microcentrifuge tube with Standard Diluent is the blank as 0 ng/mL.
 - 3. Detection Reagent A and Detection Reagent B Briefly spin or centrifuge the stock Detection A and Detection B before use. Dilute to the working concentration with Assay Diluent A and B, respectively (1:100).
- 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.
- 2. Prepare standard 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 once pipetting.
- 4. The reconstituted Standards, Detection Reagent A and Detection Reagent B can be used only 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 and denaturationmay occur in these samples, leading to false results. Samples should therefore be stored for a short periodat 2 - 8 °C or aliquoted at -20 °C (≤1 month) or -80 °C (≤ 3 months). Repeated freeze-thawcycles should be avoided. Prior to assay, the frozen samples should be slowly thawed and centrifuged toremove precipitates.
 - If the sample type is not specified in the instructions, a preliminary test is necessary to determinecompatibility with the kit.
 - If a lysis buffer is used to prepare tissue homogenates or cell culture supernatant, there is a

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 3/5 | Product datasheet for ABIN6960281 | 09/10/2023 | Copyright antibodies-online. All rights reserved.

target were tested 2Inter-assay Precisiontarget were tested ofCV(%) = SD/meanX1Intra-Assay: CV < 10Intra-Assay: CV < 12Restrictions:For Research Use orHandlingPrecaution of Use:The Stop Solution su clothing protection vStorage:4 °C/-20 °CStorage Comment:1. For unopened kit: Standard, Detection at -20 °C upon rec 2. For opened kits: th conditions. In add desiccant and seaExpiry Date:6 monthsPublicationsTang, Ju, Liu, Xu, Wa	n (Precision within an assay): 3 samples with low, middle and high level of 0 times on one plate, respectively. n (Precision between assays): 3 samples with low, middle and high level of n 3 different plates, 8 replicates in each plate. 00
Inter-assay Precision target were tested of CV(%) = SD/meanX1 Intra-Assay: CV < 10 Inter-Assay: CV < 12 Restrictions: For Research Use or Handling Precaution of Use: The Stop Solution su- clothing protection v Storage: 4 °C/-20 °C Storage Comment: 1. For unopened kit: Standard, Detection at -20 °C upon rec 2. For opened kits: th conditions. In add desiccant and sea Expiry Date: 6 months Publications Product cited in: Tang, Ju, Liu, Xu, Wa postmenopausal ost	n (Precision between assays): 3 samples with low, middle and high level of n 3 different plates, 8 replicates in each plate.
target were tested of CV(%) = SD/meanX1 Intra-Assay: CV < 10	n 3 different plates, 8 replicates in each plate.
CV(%) = SD/meanX1 Intra-Assay: CV < 10	
Intra-Assay: CV < 10	00
Inter-Assay: CV < 12 Restrictions: For Research Use or Handling Precaution of Use: The Stop Solution su- clothing protection v Storage: 4 °C/-20 °C Storage Comment: 1. For unopened kit: Standard, Detection at -20 °C upon reconnections. In adding desiccant and sea Expiry Date: 6 months Publications Product cited in: Tang, Ju, Liu, Xu, Wa postmenopausal ost	
Restrictions: For Research Use or Handling The Stop Solution succlothing protection of Use: Precaution of Use: The Stop Solution succlothing protection of Use: Storage: 4 °C/-20 °C Storage Comment: 1. For unopened kit: Standard, Detection at -20 °C upon records 2. For opened kits: the conditions. In added desiccant and seaters Expiry Date: 6 months Publications Tang, Ju, Liu, Xu, Waters Product cited in: Tang, Ju, Liu, Xu, Waters	%
Handling Precaution of Use: The Stop Solution su clothing protection v Storage: 4 °C/-20 °C Storage Comment: 1. For unopened kit: Standard, Detectio at -20 °C upon rec 2. For opened kits: th conditions. In add desiccant and sea . Expiry Date: 6 months Publications Product cited in: Tang, Ju, Liu, Xu, Wa postmenopausal ost	%
Precaution of Use: The Stop Solution su clothing protection v Storage: 4 °C/-20 °C Storage Comment: 1. For unopened kit: Standard, Detection at -20 °C upon rec 2. For opened kits: th conditions. In add desiccant and sea Expiry Date: 6 months Publications Product cited in: Tang, Ju, Liu, Xu, Wa postmenopausal ost	ly
clothing protection v Storage: 4 °C/-20 °C Storage Comment: 1. For unopened kit: Standard, Detection at -20 °C upon records 2. For opened kits: the conditions. In addidesiccant and seat Expiry Date: 6 months Publications Product cited in: Tang, Ju, Liu, Xu, Wat postmenopausal ost	
Storage: 4 °C/-20 °C Storage Comment: 1. For unopened kit: Standard, Detection at -20 °C upon reconnection 2. For opened kits: the conditions. In adding desiccant and sea . Expiry Date: 6 months Publications Product cited in: Tang, Ju, Liu, Xu, Watapostmenopausal ost	ggested for use with this kit is an acid solution. Wear eye, hand, face, and
Storage Comment: 1. For unopened kit: Standard, Detection at -20 °C upon reco 2. For opened kits: the conditions. In add desiccant and sea Expiry Date: 6 months Publications Product cited in: Tang, Ju, Liu, Xu, Was postmenopausal ost	hen using this material.
Standard, Detection at -20 °C upon rec 2. For opened kits: the conditions. In add desiccant and sea Expiry Date: 6 months Publications Product cited in: Tang, Ju, Liu, Xu, Wa postmenopausal ost	
conditions. In add desiccant and sea Expiry Date: 6 months Publications Product cited in: Tang, Ju, Liu, Xu, Wa postmenopausal ost	All reagents should be stored according to the labels on the vials. The on Reagent A, Detection Reagent B, and 96-well Strip Plate should be stored eipt, while the other reagents should be stored at 4 °C.
Publications Product cited in: Tang, Ju, Liu, Xu, Wa postmenopausal ost	ne remaining reagents must be stored according to the above storage ition, please return the unused wells to the foil pouch containing the I the foil pouch with the zipper.
Product cited in: Tang, Ju, Liu, Xu, Wa postmenopausal ost	
postmenopausal ost	
	ng, Wang: "Therapeutic effect of icariin combined with stem cells on
lssue 2, pp. 180-188	eoporosis in rats." in: Journal of bone and mineral metabolism, Vol. 36,
	(2018) (PubMed).
Qiao, Wang, Huang,	
experimental periodo	Hu, Song: "Peroxisome proliferator-activated receptor γ plays dual roles on

Page 4/5 | Product datasheet for ABIN6960281 | 09/10/2023 | Copyright antibodies-online. All rights reserved.

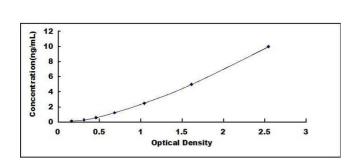
514-523, (2018) (PubMed).

Liu, Xiong, Wang, Yang, Wang, Liu, Wu, Li, Ou, Zhang, Zhu: "Effects of water extract from epimedium on neuropeptide signaling in an ovariectomized osteoporosis rat model." in: **Journal** of ethnopharmacology, Vol. 221, pp. 126-136, (2018) (PubMed).

Gong, Yu, Zhao, Su, Sheng: "Skeletal Site-specific Effects of Zoledronate on in vivo Bone Remodeling and in vitro BMSCs Osteogenic Activity." in: **Scientific reports**, Vol. 7, pp. 36129, (2017) (PubMed).

Lama, Santoro, Corrado, Pirozzi, Paciello, Pagano, Russo, Calignano, Mattace Raso, Meli: " Extracorporeal shock waves alone or combined with raloxifene promote bone formation and suppress resorption in ovariectomized rats." in: **PLoS ONE**, Vol. 12, Issue 2, pp. e0171276, (2017) (PubMed).





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 5/5 | Product datasheet for ABIN6960281 | 09/10/2023 | Copyright antibodies-online. All rights reserved.