

Human CD40/TNFRSF5 ELISA Kit | CD40/TNFRSF5 elisa kit

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CATALOG #
AAA258386

REACTIVITY
Human

PRODUCT SYNONYMS

CD40/TNFRSF5; Human CD40/TNFRSF5 ELISA Kit; CD40 ELISA Kit; Human; CD40 molecule; TNF receptor superfamily member 5; Bp50 ELISA Kit; CDW40 ELISA Kit; p50 ELISA Kit; TNFRSF5 ELISA Kit; CD40/TNFRSF5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	For the quantitative determination of Human CD40/TNFRSF5 concentration in urine.
Assay Type	Solid Phase Sandwich ELISA (quantitative)
Sample Types	Urine
Detection Range	7.8-500pg/mL
Sensitivity	2.55pg/mL
Conjugation	HRP
Materials Provided	1. 96 well microplate coated with Capture Antibody 2. Detection Antibody conjugated to HRP 3. Standards 4. Wash Buffer Concentrate 5. Dilution Buffer Concentrate 6. Color Reagent A 7. Color Reagent B 8. Stop Solution

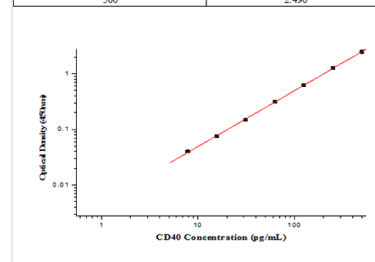
IMAGES

Recombinant human			
4-1BB	CD27	CD30	Fas
GITR	OX40	TNF RI	TNFRII
TRAILR1	TRAILR2	TRAILR4	IL1
IL2	IL33	IL10	IL8
PDGF	TNF- α	IL4	IL6
IFN- γ	VEGF	MDP-1 β	TIMP1
TIMP2	GM-CSF	SCF	
Recombinant mouse			
CD27	Fas	OX40	TNFR1

Application Data

This assay recognizes both recombinant and natural Human CD40. The factors listed below were prepared at 50ng/mL in dilution buffer and assayed for cross-reactivity. No cross-reactivity was observed.

Concentration (pg/mL)	Zero standard subtracted OD
0	0
7.813	0.040
15.625	0.075
31.25	0.148
62.5	0.316
125	0.630
250	1.269
500	2.490



Standard Curve (Sample)

This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.

ADDITIONAL INFORMATION

Related Product Information for CD40/TNFRSF5 elisa kit	This Asialoglycoprotein Receptor ELISA Kit, Human is an enzyme-linked immunosorbent assay for the quantitative measurement of Human Asialoglycoprotein Receptor protein in Serum, Cell supernatant. It contains recombinant Human Asialoglycoprotein Receptor, and antibodies raised against the recombinant protein. This ELISA kit is complete and ready-to-use. Background: CD40, also known as TNFRSF5, is a member of the TNF receptor superfamily which are single transmembrane-spanning glycoproteins. CD40 protein plays an essential role in mediating a broad variety of immune and inflammatory responses including T cell-dependent immunoglobulin class switching, memory B cell development, and germinal center formation. CD40 protein is expressed in B cells, dendritic cells, macrophages, endothelial cells, and several tumor cell lines. Defects in CD40 result in hyper-IgM immunodeficiency type 3 (HIGM3). In addition, CD40/CD40L interaction is found to be necessary for amyloid-beta-induced microglial activation, and thus is thought to be an early event in Alzheimer disease pathogenesis.
References	van Kooten C, et al. (2000). CD40-CD40 ligand. J Leukoc Biol. 67 (1): 2-17. Bhushan A, et al. (2002). CD40:CD40L interactions in X-linked and non-X-linked hyper-IgM syndromes. Immunol Res. 24 (3): 311-24. Chatzigeorgiou A, et al. (2009) CD40/CD40L signaling and its implication in health and disease. Biofactors. 35(6): 474-83. Li R, et al. (2009) Expression of CD40 and CD40L in Gastric Cancer Tissue and Its Clinical Significance. Int J Mol Sci. 10(9): 3900-17. Lievens D, et al. (2009) The multi-functionality of CD40L and its receptor CD40 in atherosclerosis. Thromb Haemost. 102(2): 206-14.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/cd40-tnfrsf5/258386>