

Datasheet for ABIN6719693 **CD27 ELISA Kit**



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1 Image

Overview

Quantity:	1 kit
Target:	CD27
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	62.5 pg/mL - 4000 pg/mL
Minimum Detection Limit:	62.5 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: CD 27, Cd27, CD27 antigen, CD27 Molecule, CD27_HUMAN, CD27L receptor, LPFS2, MGC20393, OTTHUMP00000238557, S152, T cell activation antigen CD27, T cell activation antigen S152, T-cell activation antigen CD27, T14, TNFRSF 7, TNFRSF7, TNFSF7, Tp 55, Tp55, Tumor necrosis factor receptor superfamily member 7</p> <p>Background: CD27 antigen, also called CD27 or TNFRSF7 is a tumor necrosis factor receptor. This gene is mapped to 12p13.31. The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor is required for generation and long-term maintenance of T cell immunity. It binds to ligand CD70, and plays a key role in regulating B-cell activation and</p>

Product Details

immunoglobulin synthesis. This receptor transduces signals that lead to the activation of NF-kappaB and MAPK8/JNK. Adaptor proteins TRAF2 and TRAF5 have been shown to mediate the signaling process of this receptor. CD27-binding protein(SIVA), a proapoptotic protein, can bind to this receptor and is thought to play an important role in the apoptosis induced by this receptor.

Gene Name: CD27

Production: Natural and recombinant human TNFRSF7. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: T21-I192

Target Details

Target:	CD27
Alternative Name:	TNFRSF7 - CD27 (CD27 Products)
Gene ID:	939
NCBI Accession:	NP_001233
UniProt:	P26842
Pathways:	Production of Molecular Mediator of Immune Response, Cancer Immune Checkpoints

Application Details

Application Notes: Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 4000pg/mL, 2000pg/mL, 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL human TNFRSF7 standard solutions into the pre-coated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates or serum to each empty well. It is recommended that each human TNFRSF7 standard solution and each sample be measured in duplicate.
ELISA Dilution: 62.5pg/mL-4000pg/mL

Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

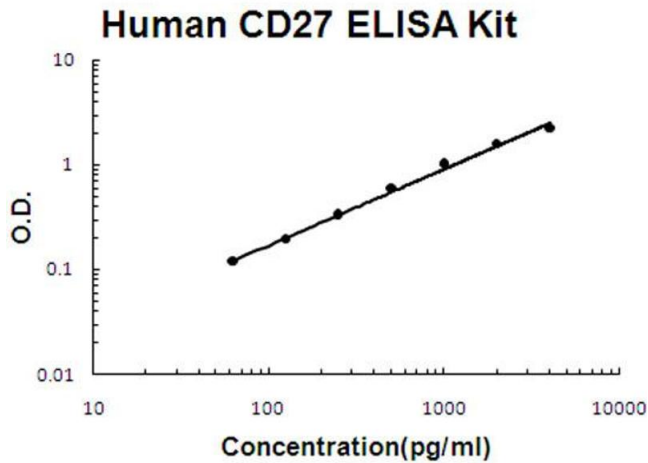
Handling

Storage:	RT, 4 °C, -20 °C
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Handling

Storage Comment: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

Images



ELISA

Image 1. Human TNFRSF7/CD27 Accusignal ELISA Kit standard curve. Assay Range: 62.5pg/ml-4000pg/ml. Sensitivity: <1pg/ml.