

Human TNFRSF7/CD27 ELISA Kit | CD27 elisa kit

Human TNFRSF7/CD27 PicoKine ELISA Kit

CATALOG #
AAA45854

REACTIVITY
Human

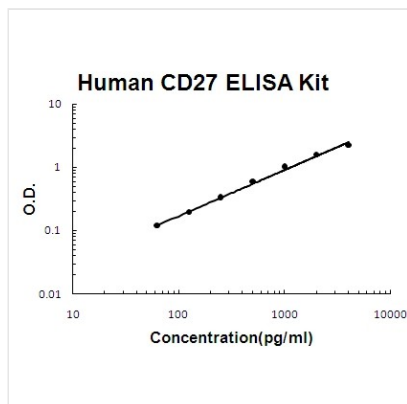
PRODUCT SYNONYMS

TNFRSF7/CD27; Human TNFRSF7/CD27 PicoKine ELISA Kit; CD27 antigen; CD27 molecule; CD 27; Cd27; 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; CD27 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human TNFRSF7
Sequence Length	260
Samples	Cell culture supernates and serum
Assay Type	Sandwich
Detection Range	62.5pg/ml-4000pg/ml
Sensitivity	< 1pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Human TNFRSF7/CD27 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for CD27 elisa kit	Principle of the assay: human TNFRSF7 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for TNFRSF7 has been precoated onto 96-well plates. Standards(NSO, T21-I192) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for TNFRSF7 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human TNFRSF7 amount of sample captured in plate. 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 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	269849546
NCBI GeneID	939
UniProt Accession #	P26842; B2RDZ0
Molecular Weight	29,137 Da
NCBI Official Full Name	CD27 antigen
NCBI Official Synonym Full Names	CD27 molecule
NCBI Official Symbol	CD27
NCBI Official Synonym Symbols	T14; S152; Tp55; TNFRSF7; S152. LPFS2
NCBI Protein Information	CD27 antigen; CD27L receptor; T cell activation antigen S152; T-cell activation antigen CD27; tumor necrosis factor receptor superfamily, member 7
UniProt Protein Name	CD27 antigen
UniProt Gene Name	CD27
UniProt Synonym Gene Names	TNFRSF7
UniProt Entry Name	CD27_HUMAN

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.