

Mouse TNFRSF7/CD27 ELISA Kit | CD27 elisa kit

Mouse TNFRSF7/CD27 PicoKine Quick ELISA Kit

CATALOG # AAA126800	REACTIVITY Mouse	APPLICATIONS ELISA
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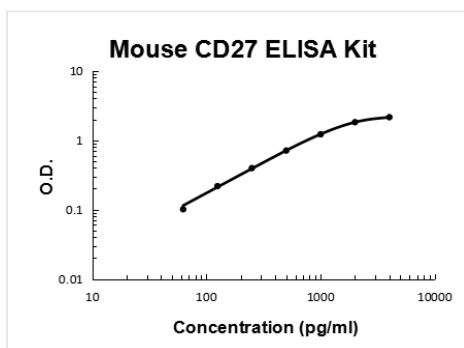
PRODUCT SYNONYMS

TNFRSF7/CD27; Mouse TNFRSF7/CD27 PicoKine Quick ELISA Kit; CD27 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant Mouse Cd27
Assay Type	Sandwich
Samples	Cell culture supernatants and serum
Detection Range	62.5 pg/ml - 4,000 pg/ml
Sensitivity	<10 pg/ml
Applicable Applications for CD27 elisa kit	ELISA
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 across 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 (Ships with gel ice, can store for up to 3 days in room temperature. Freeze upon receiving.)

IMAGES



Standard Curve (Sample)

Mouse CD27 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for CD27 elisa kit	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. Principle of the Assay: The Quick Picokine™ Mouse Cd27 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Mouse Cd27 in cell culture supernatants and serum. It uses our proprietary Quick ELISA technology. Quick ELISA technology employs capture antibodies conjugated to an affinity tag that is recognized by the polyclonal antibody used to coat our Quick ELISA plates. This approach to sandwich ELISA allows the formation of the antibody-analyte sandwich complex in a single step, significantly reducing assay time. The kit includes Mouse Cd27 protein as standards. To measure Mouse Cd27, add standards and samples to the wells, then add antibody cocktail. Wash the wells with PBS or TBS buffer, and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product is linearly proportional to Mouse Cd27 in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Mouse Cd27 in the sample.
Product Categories/Family for CD27 elisa kit	PicoKine ELISA Kits, Fast ELISA Kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	729080
NCBI GeneID	21940
UniProt Accession #	P41272
Molecular Weight	28,164 Da
NCBI Official Full Name	CD27 antigen
NCBI Official Synonym Full Names	CD27 antigen
NCBI Official Symbol	Cd27
NCBI Official Synonym Symbols	S152; Tp55; Tnfrsf7
NCBI Protein Information	CD27 antigen; CD antigen 27; CD27L receptor; T-cell activation antigen CD27; tumor necrosis factor receptor superfamily member 7; 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_MOUSE

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.