

Mouse TNFRSF9/4-1BB ELISA Kit | TNFRSF9 elisa kit

Mouse TNFRSF9/4-1BB PicoKine ELISA Kit

CATALOG #
AAA45858

REACTIVITY
Mouse

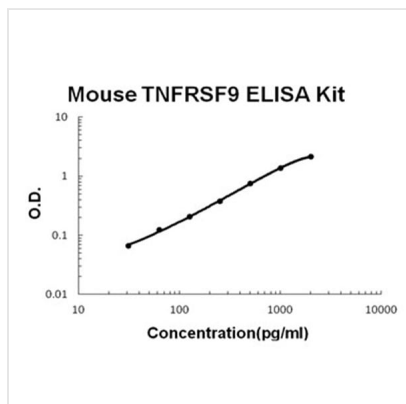
PRODUCT SYNONYMS

TNFRSF9/4-1BB; Mouse TNFRSF9/4-1BB PicoKine ELISA Kit; Tumor necrosis factor receptor superfamily member 9; tumor necrosis factor receptor superfamily; member 9; 4-1BB; 4-1BB ligand receptor; CD137; CD137 antigen; CDw137; Homolog of mouse 4 1BB; ILA; Induced by lymphocyte activation (ILA); Interleukin activated receptor homolog of mouse Ly63; Receptor protein 4 1BB; T-cell antigen 4-1BB homolog; T-cell antigen ILA; TNFRSF9; TNR9_HUMAN; TNFRSF9 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse TNFRSF9
Sequence Length	256
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	31.2pg/ml-2000pg/ml
Sensitivity	< 10pg/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)

Mouse TNFRSF9/4-1BB PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for TNFRSF9 elisa kit

Principle of the assay: mouse TNFRSF9 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for TNFRSF9 has been precoated onto 96-well plates. Standards(NSO, V24-L187) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for TNFRSF9 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 mouse TNFRSF9 amount of sample captured in plate.

Background: CD137 is a member of the tumor necrosis factor (TNF) receptor family. Its alternative names are tumor necrosis factor receptor superfamily member 9 (TNFRSF9), 4-1BB and induced by lymphocyte activation (ILA). CD137 gene was localized to chromosome 1p36. Members of this receptor family and their structurally related ligands are important regulators of a wide variety of physiological processes and play an especially important role in the regulation of immune responses. CD137 can be expressed by activated T cells, but to a larger extent on CD8 than on CD4 T cells. The best characterized activity of CD137 is its costimulatory activity for activated T cells. Crosslinking of CD137 enhances T cell proliferation, IL-2 secretion survival and cytolytic activity. Further, it can enhance immune activity to eliminate tumors in mice.

NCBI AND UNIPROT INFORMATION

NCBI GI #	112795
NCBI GeneID	21942
UniProt Accession #	P20334
Molecular Weight	27,598 Da
NCBI Official Full Name	Tumor necrosis factor receptor superfamily member 9
NCBI Official Synonym Full Names	tumor necrosis factor receptor superfamily, member 9
NCBI Official Symbol	Tnfrsf9
NCBI Official Synonym Symbols	ILA; Ly63; 4-1BB; Cd137; CDw137; AA408498; AI325004; A930040I11Rik
NCBI Protein Information	tumor necrosis factor receptor superfamily member 9; CD137 antigen; T-cell antigen 4-1BB; 4-1BB ligand receptor; secreted CD137 antigen
UniProt Protein Name	Tumor necrosis factor receptor superfamily member 9
UniProt Gene Name	Tnfrsf9
UniProt Synonym Gene Names	Cd137; Ila; Ly63
UniProt Entry Name	TNR9_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.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/tnfrsf9-4-1bb/45858>