

Mouse TNFRSF13B/TACI ELISA Kit | TNFRSF13B elisa kit

Mouse TNFRSF13B/TACI PicoKine ELISA Kit

CATALOG #
AAA45749

REACTIVITY
Mouse

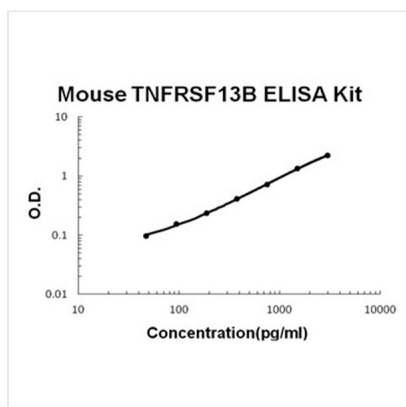
PRODUCT SYNONYMS

TNFRSF13B/TACI; Mouse TNFRSF13B/TACI PicoKine ELISA Kit; Tumor necrosis factor receptor superfamily member 13B; tumor necrosis factor receptor superfamily; member 13B; CD 267; CD267; CD267 antigen; CVID; CVID2; FLJ39942; MGC133214; MGC39952; OTTHUMP00000065442; TNFRSF 13B; TNFRSF 14B; TNFRSF13B; TNFRSF13B protein; TNFRSF14B; TR13B_HUMAN; Transmembrane activator and CAML interactor; Tumor necrosis factor receptor 13B; TACI; TNFRSF13B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse TNFRSF13B
Sequence Length	249
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	46.9pg/ml-3000pg/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 TNFRSF13B/TACI PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for TNFRSF13B elisa kit

Principle of the assay: mouse TNFRSF13B ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from rat specific for TNFRSF13B has been precoated onto 96-well plates. Standards(NSO, A2-C128) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for TNFRSF13B 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 TNFRSF13B amount of sample captured in plate.

Background: Tumor necrosis factor receptor superfamily member 13B, also known as TNFRSF13B or more commonly as TACI, is a transmembrane receptor protein found predominantly on the surface of B cells, which are an important part of the immune system. TACI controls T cell-independent B cell antibody responses, isotype switching, and B cell homeostasis. TACI is a lymphocyte-specific member of the tumor necrosis factor (TNF) receptor superfamily. It was originally discovered because of its ability to interact with calcium-modulator and cyclophilin ligand (CAML). TACI was later found to play a crucial role in humoral immunity by interacting with two members of the TNF family: BAFF and APRIL. These proteins signal through TACI inducing activation of several transcription factors including NFAT, AP-1, and NF-kappa-B which then modulate cellular activities. Defects in the function of TACI can lead to immune system diseases.

NCBI AND UNIPROT INFORMATION

NCBI GI #	21264099
NCBI GeneID	57916
UniProt Accession #	Q9ET35; Q9DBZ3
Molecular Weight	26,947 Da
NCBI Official Full Name	Tumor necrosis factor receptor superfamily member 13B
NCBI Official Synonym Full Names	tumor necrosis factor receptor superfamily, member 13b
NCBI Official Symbol	Tnfrsf13b
NCBI Official Synonym Symbols	Taci; 1200009E08Rik
NCBI Protein Information	tumor necrosis factor receptor superfamily member 13B; transmembrane activator and CAML interactor; transmembrane activator and calcium-modulating and cyclophilin ligand interactor
UniProt Protein Name	Tumor necrosis factor receptor superfamily member 13B
UniProt Gene Name	Tnfrsf13b
UniProt Synonym Gene Names	Taci
UniProt Entry Name	TR13B_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/tnfrsf13b-taci/45749>