

Human TNFSF13/APRIL ELISA Kit | TNFSF13 elisa kit

Human TNFSF13/APRIL PicoKine ELISA Kit

CATALOG #
AAA45573

REACTIVITY
Human

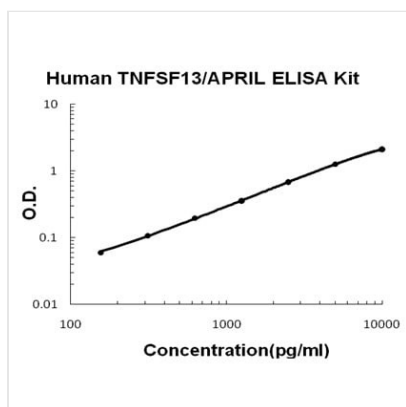
PRODUCT SYNONYMS

TNFSF13/APRIL; Human TNFSF13/APRIL PicoKine ELISA Kit; Tumor necrosis factor ligand superfamily member 13; tumor necrosis factor (ligand) superfamily; member 13; A proliferation-inducing ligand; APRIL; CD256; TALL-2; TALL2; TNF- and APOL-related leukocyte expressed ligand 2; TNF-related death ligand 1; TNF13_HUMAN; TNFSF13; TRDL-1; Tumor necrosis factor (ligand) superfamily member 13; Tumor necrosis factor like protein ZTNF2; Tumor necrosis factor related death ligand 1; ZTNF2; TNFSF13 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human TNFSF13
Sequence Length	223
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	156pg/ml-10,000pg/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)

Human TNFSF13/APRIL PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for TNFSF13 elisa kit

Principle of the assay: human TNFSF13 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for TNFSF13 has been precoated onto 96-well plates. Standards and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for TNFSF13 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 TNFSF13 amount of sample captured in plate.

Background: Tumor necrosis factor ligand superfamily member 13 (TNFSF13) also known as a proliferation-inducing ligand (APRIL) is a protein that in humans is encoded by the TNFSF13 gene. TNFSF13 has also been designated CD256 (cluster of differentiation 256). The protein encoded by this gene is a member of the tumor necrosis factor ligand (TNF) ligand family. This protein is a ligand for TNFRSF17/BCMA, a member of the TNF receptor family. This protein and its receptor are both found to be important for B cell development. In vivo experiments suggest an important role for APRIL in the long-term survival of plasma cells in the bone marrow. Mice deficient in April showed a reduced ability to support plasma cell survival. In vitro experiments suggested that this protein may be able to induce apoptosis through its interaction with other TNF receptor family proteins such as TNFRSF6/FAS and TNFRSF14/HVEM. Three alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported. The TNFSF13 gene lies 878 bp downstream of the TNFSF12 gene on chromosome 17p13.1.

NCBI AND UNIPROT INFORMATION

NCBI GI #	121941693
NCBI GeneID	8741
UniProt Accession #	Q2QBA2; O75888
Molecular Weight	24,279 Da
NCBI Official Full Name	Tumor necrosis factor (Ligand) superfamily member 13 transcript variant delta
NCBI Official Synonym Full Names	tumor necrosis factor (ligand) superfamily, member 13
NCBI Official Symbol	TNFSF13
NCBI Official Synonym Symbols	APRIL; CD256; TALL2; ZTNF2; TALL-2; TRDL-1; UNQ383/PRO715
NCBI Protein Information	tumor necrosis factor ligand superfamily member 13; a proliferation-inducing ligand; tumor necrosis factor-like protein ZTNF2; tumor necrosis factor-related death ligand-1; TNF- and APOL-related leukocyte expressed ligand 2
UniProt Protein Name	Tumor necrosis factor (Ligand) superfamily member 13 transcript variant delta
UniProt Gene Name	TNFSF13
UniProt Entry Name	Q2QBA2_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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/tnfsf13-april/45573>