

Human BAFF ELISA Kit | TNFSF13B elisa kit

Human BAFF PicoKine ELISA Kit

CATALOG #
AAA45326

REACTIVITY
Human

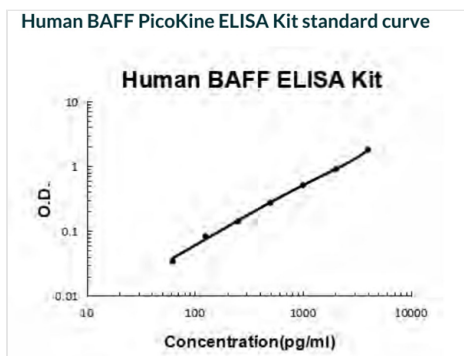
PRODUCT SYNONYMS

BAFF; Human BAFF PicoKine ELISA Kit; Tumor necrosis factor ligand superfamily member 13B; tumor necrosis factor (ligand) superfamily, member 13b; B lymphocyte stimulator; B-cell-activating factor; BLyS; CD257; Dendritic cell-derived TNF-like molecule; soluble form; TALL-1; TN13B_HUMAN; TNF- and APOL-related leukocyte expressed ligand 1; TNFSF13B; Tumor necrosis factor ligand superfamily member 13b; TNFSF13B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human TNFSF13B
Sequence Length	285
Samples	Cell culture supernatants, cell lysates, serum and plasma (heparin, EDTA)
Detection Range	62.5 pg/ml - 4,000 pg/ml
Sensitivity	<2 pg/ml
Intra-assay Precision	Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	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)

ADDITIONAL INFORMATION

Related Product Information for TNFSF13B elisa kit	Background: BAFF was regularly detected by enzyme-linked immunosorbent assay in brain tissue lysates and in normal spinal fluid, and in astrocytes by double fluorescence microscopy. BAFF was localized in astrocytes close to BAFF-R-expressing immune cells. BAFF receptors were strongly expressed in situ in primary central nervous system (CNS) lymphomas.¹ The TNF superfamily member B cell-activating factor (BAFF) plays an important role in humoral immunity and in autoimmune diseases, including RA. Local BAFF gene targeting inhibited proinflammatory cytokine expression, suppressed generation of plasma cells and Th17 cells, and markedly ameliorated joint pathology.² The B cell activating factor BAFF (BlyS/TALL-1/zTNF4) is a tumor necrosis factor (TNF)-related ligand that promotes B cell survival and binds to three receptors (BCMA, TACI, and the recently described BAFF-R).³ Human BAFF was mapped to chromosome 13q32-34.4 The standard used in this kit is recombinant soluble human BAFF (A134-L295) with the molecular mass of 19.6KDa. Principle of the Assay: The Picokine™ Human TNFSF13B Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human TNFSF13B with a 96-well strip plate that is pre-coated with antibody specific for TNFSF13B. The detection antibody is a biotinylated antibody specific for TNFSF13B. The capture antibody is monoclonal antibody from mouse and the detection antibody is polyclonal antibody from goat. The kit contains recombinant Human TNFSF13B with immunogen: Expression system for standard: NS0; Immunogen sequence: A134-L285. The kit is analytically validated with ready-to-use reagents. To measure Human TNFSF13B, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP 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 at 450nm is linearly proportional to Human TNFSF13B 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 Human TNFSF13B in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13124573
NCBI GeneID	10673
UniProt Accession #	Q9Y275 ; Q6FHD6 ; Q7Z5J2 ; E0ADT7
Molecular Weight	17,578 Da
NCBI Official Full Name	Tumor necrosis factor ligand superfamily member 13B
NCBI Official Synonym Full Names	tumor necrosis factor (ligand) superfamily, member 13b
NCBI Official Symbol	TNFSF13B
NCBI Official Synonym Symbols	DTL; BAFF; BLYS; CD257; TALL1; THANK; ZTNF4; TALL-1; TNFSF20
NCBI Protein Information	tumor necrosis factor ligand superfamily member 13B; delta BAFF; Delta4 BAFF; B-lymphocyte stimulator; B-cell-activating factor; ApoL related ligand TALL-1; TNF homolog that activates apoptosis; dendritic cell-derived TNF-like molecule; tumor necrosis factor-like protein ZTNF4; TNF and ApoL-related leukocyte expressed ligand 1; tumor necrosis factor (ligand) superfamily, member 20
UniProt Protein Name	Tumor necrosis factor ligand superfamily member 13B
UniProt Gene Name	TNFSF13B
UniProt Synonym Gene Names	BAFF; BLYS; TALL1; TNFSF20; ZTNF4; BlyS; TALL-1
UniProt Entry Name	TN13B_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.