

Human BAFF ELISA Kit

Catalog No: #EK5267

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Description

Product Name	Human BAFF ELISA Kit
Specificity	Human
Crossing Reactivity	There is no detectable cross-reactivity with other relevant proteins.
Immunogen Type	NSO,A134-L285
Other Names	Tumor necrosis factor ligand superfamily member 13B; B lymphocyte stimulator; BLyS; B-cell-activating factor; BAFF; Dendritic cell-derived TNF-like molecule; TNF- and APOL-related leukocyte expressed ligand 1; TALL-1; CD257; Tumor necrosis factor ligand superfamily member 13b, membrane form; Tumor necrosis factor ligand superfamily member 13b, soluble form; TNFSF13B; BAFF, BLYS, TALL1, TNFSF20, ZTNF4; UNQ401,PRO738;
Accession No.	Q9Y275
Uniprot	Q9Y275
GeneID	10673;
Cell Localization	Cell membrane; Single-pass type II membraneprotein.

Application Details

sensitivity:2pg mlDetect Range:62.5pg ml-4000pg ml
sample_type:cell culture supernates cell lysates tissue homogenates serum and plasma (heparin EDTA).
capture_antibody:monoclonal antibody from mousedetection_antibody:polyclonal antibody from goat
gene_name:TNFSF13Bprotein_name:Tumor necrosis factor ligand superfamily member 13B
gene_full_name:Tumor necrosis factor ligand superfamily member 13B
tissue_specificity: Abundantly expressed in peripheral bloodLeukocytes and is specifically expressed in monocytes andmacrophages. Also found in the spleen lymph node bone marrow T-cells and dendritic cells. A lower expression seen in placenta heart lung fetal liver thymus and pancreas. Isoform 2 isexpressed in many myeloid cell lines..
sequence_similarities:Belongs to the tumor necrosis factor family. tmb_incubation:15-20min
research_category:immunology|adaptive immunity|b cells|non-cd|innate immunity|cytokines|tnf superfamily|signal transduction|growth factors/hormones|tnf|cancer|growth factors|kits/ lysates/ other|kits|elisa kits|tnf elisa kits

Product Description

Sandwich High Sensitivity ELISA kit for Quantitative Detection of Human BAFF

Background

protein_function: Cytokine that binds to TNFRSF13B,TACI and TNFRSF17,BCMA. TNFSF13,APRIL binds to the same 2 receptors. Together, they form a2 ligands -2 receptors pathway involved in the stimulation of B-and T-cell function and the regulation of humoral immunity. A third B-cell specific BAFF-receptor (BAFFR,BR3) promotes the survival of mature B-cells and the B-cell response..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.

Note: This product is for in vitro research use only