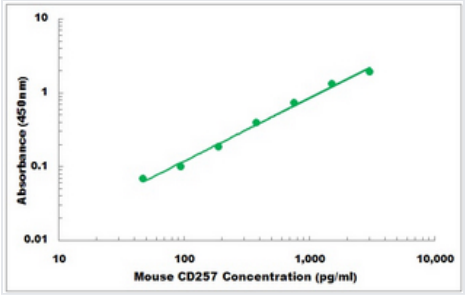
# CD257 (TNFSF13B) ELISA Kit for Mouse

## PRODUCT OVERVIEW

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| **Product Name** | CD257 (TNFSF13B), ELISA Kit |
| **Full Product Name** | Mouse CD257 ELISA Kit |
| **Product Gene Name** | TNFSF13B elisa kit |
| **Product Synonym Names** | BAFF; BLYS; TALL1; TNFSF20; ZTNF4; 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 |
| **Species Reactivity** | Mouse |
| **Assay Type** | Sandwich |
| **Samples** | Cell Culture Supernatants, Serum, Plasma |
| **Detection Range** | 46.9 pg/ml - 3000 pg/ml |
| **Sensitivity** | 10 pg/ml |
| **Preparation and Storage** | Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles. |
| **Molecular Weight** | 32,166 Da |
| **3D Structure** | ModBase 3D Structure for Q9WU72 |
| **Detection Method** | Colorimetric |
| **Applications Tested/Suitable for TNFSF13B elisa kit** | Sandwich ELISA (SE) |
| **Related Product Information for TNFSF13B elisa kit** | Sandwich ELISA for quantitative detection of Mouse CD257 concentrations. |
| **Other Notes** | Small volumes of TNFSF13B elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |
| **Searchable Terms for TNFSF13B purchase** | MBS824984 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the CD257 (TNFSF13B) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing TNFSF13B. The ELISA analytical biochemical technique of the MBS824984 kit is based on TNFSF13B antibody-TNFSF13B antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect TNFSF13B antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, TNFSF13B. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%). |




**Typical Testing Data/Standard Curve (for reference only) of TNFSF13B elisa kit**

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TNFSF13B. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 15826858 |
| **NCBI GeneID** | 24099 |
| **NCBI Accession #** | NP_296371.1 |
| **UniProt Primary Accession #** | Q9WU72 |
| **UniProt Secondary Accession #** | Q7TQ58 |
| **UniProt Related Accession #** | Q9WU72 |
| **GenBank Nucleotide #** | NM_033622.1 |
| **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** | BAFF; BLyS; TALL1; THANK; zTNF4; TALL-1; TNFSF20; D8Ertd387e |
| **UniProt Protein Name** | Tumor necrosis factor ligand superfamily member 13B |
| **UniProt Synonym Protein Names** | B-cell-activating factor; BAFF; CD_antigen: CD257Cleaved into the following 2 chains:Tumor necrosis factor ligand superfamily member 13b, membrane form; Tumor necrosis factor ligand superfamily member 13b, soluble form |
| **Protein Family** | Tumor necrosis factor ligand superfamily |
| **UniProt Gene Name** | Tnfsf13b |
| **UniProt Synonym Gene Names** | Baff |
| **UniProt Entry Name** | TN13B_MOUSE |
| **NCBI Protein Information** | tumor necrosis factor ligand superfamily member 13B; B-cell-activating factor; b cell-activating factor |
| **UniProt Comments for TNFSF13B** | BAFF: Cytokine that binds to TNFRSF13B/TACI and TNFRSF17/BCMA. TNFSF13/APRIL binds to the same 2 receptors. Together, they form a 2 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. Belongs to the tumor necrosis factor family. 2 isoforms of the human protein are produced by alternative splicing.<br><br>Protein type: Cell cycle regulation; Cytokine; Apoptosis; Membrane protein, integral<br><br>Cellular Component: extracellular space; membrane; perinuclear region of cytoplasm; cell; cytoplasm; plasma membrane; extracellular region; integral to membrane<br><br>Molecular Function: cytokine activity; tumor necrosis factor receptor binding<br><br>Biological Process: B cell costimulation; regulation of immune response; B cell homeostasis; immunoglobulin secretion; T cell costimulation; positive regulation of B cell proliferation; positive regulation of germinal center formation; immune response; positive regulation of T cell proliferation |
| **Research Articles on TNFSF13B** | **1.** Nitric oxide produced by inflammatory monocytes and their derivative dendritic cell subsets plays an important role in regulating BAFF production and T cell-independent antibody responses. |
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