

## Mouse BAFF ELISA Kit | TNFSF13B elisa kit

Mouse BAFF PicoKine ELISA Kit

CATALOG #  
**AAA11566**

REACTIVITY  
**Mouse**

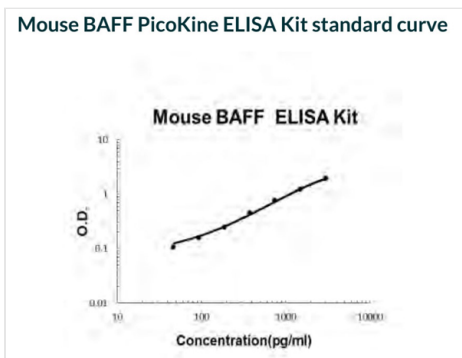
### PRODUCT SYNONYMS

BAFF; Mouse 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              | Mouse                                                                                                                      |
| Specificity             | Natural and recombinant Mouse Tnfsf13b                                                                                     |
| Sequence Length         | 309                                                                                                                        |
| Samples                 | Cell culture supernatants, cell lysates, serum and plasma (heparin, EDTA)                                                  |
| Detection Range         | 46.9 pg/ml - 3,000 pg/ml                                                                                                   |
| Sensitivity             | <10 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 | <p>Background: B-cell activating factor (BAFF) also known as tumor necrosis factor ligand superfamily member 13B is a protein that in humans is encoded by the TNFLSF13B gene.1,2 BAFF is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This cytokine is a ligand for receptors TNFRSF13B/TACI, TNFRSF17/BCMA, and TNFRSF13C/BAFFR. This cytokine is expressed in B cell lineage cells, and acts as a potent B cell activator. It has been also shown to play an important role in the proliferation and differentiation of B cells.3All these ligands act as heterotrimers (i.e. three of the same molecule) interacting with heterotrimeric receptors4, although BAFF has been known to be active as either a hetero- or homotrimer.5 The standard used in this kit is recombinant mouse soluble BAFF (A127-L309) with molecular weight 23.2KDa.</p> <p>Principle of the Assay: The Picokine™ Mouse Tnfsf13b Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Mouse 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 rat and the detection antibody is polyclonal antibody from goat. The kit contains recombinant Mouse Tnfsf13b with immunogen: Expression system for standard: NS0; Immunogen sequence: A127-L309. The kit is analytically validated with ready-to-use reagents. To measure Mouse 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 Mouse 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 Mouse Tnfsf13b in the sample.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                         |
|----------------------------------|---------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 123780543                                                                                               |
| NCBI GeneID                      | 24099                                                                                                   |
| UniProt Accession #              | Q3KP92; Q9WU72                                                                                          |
| Molecular Weight                 | 34,192 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    | BAFF; BLYS; TALL1; THANK; zTNF4; TALL-1; TNFSF20; D8ErtD387e                                            |
| NCBI Protein Information         | tumor necrosis factor ligand superfamily member 13B; B-cell-activating factor; b cell-activating factor |
| UniProt Protein Name             | Tumor necrosis factor (Ligand) superfamily, member 13b                                                  |
| UniProt Gene Name                | Tnfsf13b                                                                                                |
| UniProt Entry Name               | Q3KP92_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.