

## Mouse LTBR ELISA Kit | LTBR elisa kit

Mouse LTBR PicoKine ELISA Kit

CATALOG #  
**AAA19189**

REACTIVITY  
**Mouse**

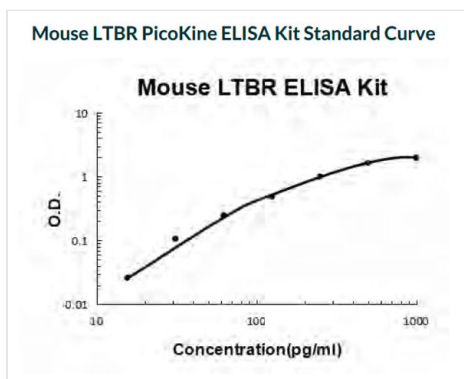
### PRODUCT SYNONYMS

LTBR; Mouse LTBR PicoKine ELISA Kit; Mouse LTBR; lymphotoxin B receptor; Tumor necrosis factor receptor superfamily member 3; Lymphotoxin-beta receptor; Ltbr; Tnfr; Tnfrsf3; LTBR elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                 |
| Specificity             | Natural and recombinant Mouse Ltbr                                                                                                                    |
| Sequence Length         | 415                                                                                                                                                   |
| Samples                 | Cell culture supernatants, serum and plasma (heparin, EDTA)                                                                                           |
| Detection Range         | 15.6 pg/ml - 1,000 pg/ml                                                                                                                              |
| Sensitivity             | <10 pg/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 across 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. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.                                             |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for LTBR elisa kit | <p>Background: Lymphotoxin beta receptor (LTBR), also known as tumor necrosis factor receptor superfamily member 3 (TNFRSF3), is a cell surface receptor for lymphotoxin involved in apoptosis and cytokine release. This gene is mapped to 6 F3; 6 59.32 cM. This gene encodes a member of the tumor necrosis factor receptor superfamily. The major ligands of this receptor include lymphotoxin alpha/beta and tumor necrosis factor ligand superfamily member 14. The encoded protein plays a role in signalling during the development of lymphoid and other organs, lipid metabolism, immune response, and programmed cell death. Activity of this receptor has also been linked to carcinogenesis. Alternatively spliced transcript variants encoding multiple isoforms have been observed.</p> <p>Principle of the Assay: The Picokine™ Mouse Ltbr Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Mouse Ltbr with a 96-well strip plate that is pre-coated with antibody specific for Ltbr. The detection antibody is a biotinylated antibody specific for Ltbr. The capture antibody is a monoclonal antibody from rat and the detection antibody is a biotinylated polyclonal antibody from goat. The kit includes Mouse Ltbr protein as standards. To measure Mouse Ltbr, 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 Ltbr 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 Ltbr in the sample.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                      |
|----------------------------------|--------------------------------------------------------------------------------------|
| NCBI GI #                        | 7549775                                                                              |
| NCBI GeneID                      | 17000                                                                                |
| NCBI Accession #                 | NP_034866.1                                                                          |
| NCBI GenBank Nucleotide #        | NP_034866.1                                                                          |
| UniProt Accession #              | P50284                                                                               |
| NCBI Official Full Name          | tumor necrosis factor receptor superfamily member 3                                  |
| NCBI Official Synonym Full Names | lymphotoxin B receptor                                                               |
| NCBI Official Symbol             | Ltbr                                                                                 |
| NCBI Official Synonym Symbols    | Ltar; TNFCR; Tnfbr; TNFRrp; LTbetaR; TNFR-RP; Tnfrsf3; AI256028; TNFR2-RP; TNF-R-III |
| NCBI Protein Information         | tumor necrosis factor receptor superfamily member 3                                  |
| UniProt Protein Name             | Tumor necrosis factor receptor superfamily member 3                                  |
| UniProt Gene Name                | Ltbr                                                                                 |
| UniProt Synonym Gene Names       | Tnfcr; Tnfrsf3                                                                       |
| UniProt Entry Name               | TNR3_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.