

## Human TNF beta ELISA Kit | LTA elisa kit

Human TNF beta PicoKine ELISA Kit

CATALOG #  
**AAA11524**

REACTIVITY  
**Human**

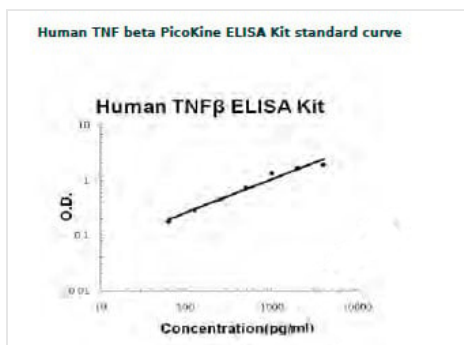
### PRODUCT SYNONYMS

TNF beta; Human TNF beta PicoKine ELISA Kit; Lymphotoxin-alpha; lymphotoxin alpha; Coley's toxin; DAMA-25N12.13-004; DIF; Differentiation inducing factor; Hemorrhagic factor ; LT; LT alpha; LT-alpha; Lta; LTalpha; Lymphotoxin alpha; Lymphotoxin alpha (TNF superfamily; member 1); MGC117668; Natural killer cytotoxic factor; Necrosin; NKCF; OTTHUMP00000037612; OTTHUMP00000037613; TNF B; TNF superfamily member 1; TNF-beta; TNFB; TNFB\_HUMAN; TNFbeta; TNFSF 1; TNFSF1; Tumor necrosis factor beta; Tumor necrosis factor ligand superfamily member 1; Tumor necrosis factor superfamily member 1; LTA elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                 |
| Specificity             | Natural and recombinant Human LTA                                                                                                                     |
| Sequence Length         | 205                                                                                                                                                   |
| Samples                 | Cell culture supernatants, serum and plasma (heparin, edta, citrate)                                                                                  |
| Detection Range         | 62.5 pg/ml - 4,000 pg/ml                                                                                                                              |
| Sensitivity             | <5 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, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)                            |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| Related Product Information for LTA elisa kit | <p>Principle of the Assay: The Picokine™ Human LTA Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human LTA with a 96-well strip plate that is pre-coated with antibody specific for LTA. The detection antibody is a biotinylated antibody specific for LTA. The capture antibody is monoclonal antibody from mouse and the detection antibody is polyclonal antibody from goat. The kit contains recombinant Human LTA with immunogen: Expression system for standard: E.coli; Immunogen sequence: L35-L205. The kit is analytically validated with ready-to-use reagents. To measure Human LTA, 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 LTA 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 LTA in the sample.</p> <p>Background/Introduction: Tumor necrosis factor-beta (TNF-beta), previously called lymphotoxin-alpha (LTA), is a cytokine produced by lymphocytes. TNF-alpha and TNFbeta share 35% identity and 50% homology in the amino acid sequence. The substance LTA mediates a wide variety of inflammatory, immunostimulatory, and antiviral responses. LTA is associated with susceptibility to myocardial infarction, asthma and other diseases. The LTA gene is located on human chromosome 6. The standard product used in this kit is recombinant protein, consisting of 172 amino acids with the molecular mass of 18.8KDa.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                 |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 135940                                                                                                                                          |
| NCBI GeneID                      | 4049                                                                                                                                            |
| UniProt Accession #              | P01374; Q8N4C3; Q9UKS8                                                                                                                          |
| Molecular Weight                 | 22,297 Da                                                                                                                                       |
| NCBI Official Full Name          | Lymphotoxin-alpha                                                                                                                               |
| NCBI Official Synonym Full Names | lymphotoxin alpha                                                                                                                               |
| NCBI Official Symbol             | LTA                                                                                                                                             |
| NCBI Official Synonym Symbols    | LT; TNFB; TNFSF1                                                                                                                                |
| NCBI Protein Information         | lymphotoxin-alpha; LT-alpha; TNF-beta; TNF superfamily, member 1; tumor necrosis factor beta; tumor necrosis factor ligand superfamily member 1 |
| UniProt Protein Name             | Lymphotoxin-alpha                                                                                                                               |
| UniProt Gene Name                | LTA                                                                                                                                             |
| UniProt Synonym Gene Names       | TNFB; TNFSF1; LT-alpha                                                                                                                          |
| UniProt Entry Name               | TNFB_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.

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Online datasheet: <https://stage.aaabiotech.com/lta-human-elisa-kits/tnf-beta/11524>