

## Human B And T-Lymphocyte Attenuator ELISA Kit | BTLA elisa kit

Human B And T-Lymphocyte Attenuator (BTLA) (Sandwich ELISA) Mini sample ELISA Kit

CATALOG #  
**AAA189944**

REACTIVITY  
**Human**

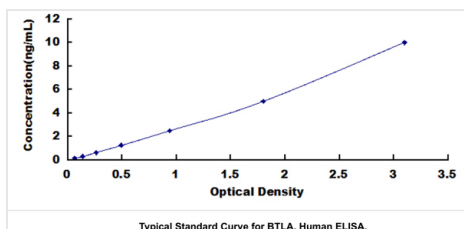
### PRODUCT SYNONYMS

B And T-Lymphocyte Attenuator; Human B And T-Lymphocyte Attenuator (BTLA) (Sandwich ELISA) Mini sample ELISA Kit; CD272; BTLA1; B-and T-lymphocyte-associated protein; Mini Samples ELISA Kit for B And T-Lymphocyte Attenuator (BTLA); BTLA elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                          |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                                    |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of BTLA. No significant cross-reactivity or interference between BTLA and analogues was observed.                                |
| Assay Type              | Quantitative Sandwich                                                                                                                                                                                    |
| Samples                 | Human tissue homogenates, cell lysates and other biological fluids                                                                                                                                       |
| Detection Range         | 0.156-10ng/mL                                                                                                                                                                                            |
| Sensitivity             | < 0.059ng/mL                                                                                                                                                                                             |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level BTLA were tested 20 times on one plate, respectively. Intra-Assay: CV<10%                                   |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level BTLA were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12% |
| Preparation and Storage | 4 degree C for 1 month/ -20 degree C for long-term(within shelf life). Shelf life is one year                                                                                                            |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for BTLA elisa kit | <p>Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to BTLA. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to BTLA. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain BTLA, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of BTLA in the samples is then determined by comparing the O.D. of the samples to the standard curve.</p> <p>Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of BTLA in human tissue homogenates, cell lysates and other biological fluids.</p> |
| Product Categories/Family for BTLA elisa kit   | Tumor immunity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                       |
|----------------------------------|-------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 145580619                                                                                             |
| NCBI GeneID                      | 151888                                                                                                |
| NCBI Accession #                 | NP_001078826.1                                                                                        |
| NCBI GenBank Nucleotide #        | NM_001085357.1                                                                                        |
| UniProt Accession #              | Q7Z6A9; Q3B831; Q3HS85; Q6ZNH9                                                                        |
| Molecular Weight                 | 32,834 Da                                                                                             |
| NCBI Official Full Name          | B- and T-lymphocyte attenuator isoform 2                                                              |
| NCBI Official Synonym Full Names | B and T lymphocyte associated                                                                         |
| NCBI Official Symbol             | BTLA                                                                                                  |
| NCBI Official Synonym Symbols    | BTLA1; CD272                                                                                          |
| NCBI Protein Information         | B- and T-lymphocyte attenuator; B and T lymphocyte attenuator; B- and T-lymphocyte-associated protein |
| UniProt Protein Name             | B- and T-lymphocyte attenuator                                                                        |
| UniProt Gene Name                | BTLA                                                                                                  |
| UniProt Entry Name               | BTLA_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/btla-human-elisa-kits/b-and-t-lymphocyte-attenuator/189944>