

## Active Recombinant Rat BTLA Protein, Fc-tagged

**Cat. No.** BTLA-1148R    **Lot. No.** (See product label)

### SPECIFICATION

|                             |                                                                                                                                                                                        |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>     | Recombinant rat Btla (NP_998795.1) (Ala6-Tyr183) was expressed with the Fc region of mouse IgG1 at the C-terminus.                                                                     |
| <b>Species</b>              | Rat                                                                                                                                                                                    |
| <b>Source</b>               | HEK293                                                                                                                                                                                 |
| <b>ProteinLength</b>        | 6-183 a.a.                                                                                                                                                                             |
| <b>Predicted N Terminal</b> | Lys 30                                                                                                                                                                                 |
| <b>Form</b>                 | Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.                                                                                                                    |
| <b>Bio-activity</b>         | 1. Measured by its binding ability in a functional ELISA. 2. Immobilized rat BTLA-mFc at 10 µg/mL (100 µL/well) can bind mouse HVEM-Fch. The EC50 of mouse EFNA5-Fc is 6.2-14.4 ng/mL. |
| <b>Molecular Mass</b>       | The recombinant rat Btla consists 384 amino acids and predicts a molecular mass of 43.4 kDa.                                                                                           |
| <b>Endotoxin</b>            | < 1.0 EU per µg of the protein as determined by the LAL method.                                                                                                                        |
| <b>Purity</b>               | >90 % as determined by SDS-PAGE.                                                                                                                                                       |
| <b>Stability</b>            | Samples are stable for up to twelve months from date of receipt at -70°C.                                                                                                              |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                         |                                                                                                                                                                                |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>          | Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.                      |
| <b>Reconstitution</b>   | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents. |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                |
| <b>Gene Name</b>        | Btla B and T lymphocyte associated [ <i>Rattus norvegicus</i> ]                                                                                                                |
| <b>Official Symbol</b>  | BTLA                                                                                                                                                                           |
| <b>Synonyms</b>         | BTLA; B and T lymphocyte associated; B- and T-lymphocyte attenuator; B and T lymphocyte attenuator; B- and T-lymphocyte-associated protein;                                    |
| <b>Gene ID</b>          | 407756                                                                                                                                                                         |
| <b>mRNA Refseq</b>      | NM_213630                                                                                                                                                                      |
| <b>Protein Refseq</b>   | NP_998795                                                                                                                                                                      |
| <b>MIM</b>              |                                                                                                                                                                                |
| <b>UniProt ID</b>       |                                                                                                                                                                                |
| <b>Pathway</b>          | Adaptive Immune System, organism-specific biosystem; Costimulation by the CD28 family, organism-specific biosystem; Immune System, organism-specific biosystem;                |
| <b>Function</b>         | receptor activity; receptor activity;                                                                                                                                          |