

## Recombinant Mouse BTLA protein(Met1-Gly176), hFc-tagged

**Cat. No.** BTLA-8698M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse BTLA (AAI08964.1, with mutations K173E) (Met1-Gly176) was expressed in HEK293, fused with the Fc region of Human IgG1 at the C-terminus.                                                                                                                                     |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                         |
| <b>ProteinLength</b>    | Met1-Gly176                                                                                                                                                                                                                                                                                    |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.                                                                                                                                                 |
| <b>Bio-activity</b>     | Immobilized mouse BTLA-Fc at 10 µg/ml (100 µl/well) can bind biotinylated mouse HVEM-Fch, The EC50 of biotinylated mouse HVEM-Fch is 15.7-36.7 ng/ml.                                                                                                                                          |
| <b>Molecular Mass</b>   | The recombinant mouse BTLA /Fc is a disulfide-linked homodimer. The reduced monomer comprises 388 amino acids and has a predicted molecular mass of 437 kDa. The apparent molecular mass of the protein is approximately 57-62 kDa in SDS-PAGE under reducing conditions due to glycosylation. |
| <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>Storage</b>          | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C.                                                                                                                                                                                                             |

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Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** [Btla B and T lymphocyte associated \[ Mus musculus \]](#)

**Official Symbol** [BTLA](#)

**Synonyms**

BTLA; B and T lymphocyte associated; B- and T-lymphocyte attenuator; B and T lymphocyte attenuator; B- and T-lymphocyte-associated protein; A630002H24; MGC124217; MGC124218;

**Gene ID** [208154](#)

**mRNA Refseq** [NM\\_001037719](#)

**Protein Refseq** [NP\\_001032808](#)

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