

# Active Recombinant Rat Btla Protein, Fc-tagged, Alexa Fluor 647 conjugated

**Cat. No.** BTLA-1148RAF647    **Lot. No.** (See product label)

## SPECIFICATION

|                                     |                                                                                                                                                                                           |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>             | Alexa Fluor 647 conjugated 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>                | 384                                                                                                                                                                                       |
| <b>Form</b>                         | Lyophilized                                                                                                                                                                               |
| <b>Bio-activity</b>                 | 1. Measured by its binding ability in a functional ELISA.<br>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>               | 43.4 kDa                                                                                                                                                                                  |
| <b>N-terminal Sequence Analysis</b> | Lys 30                                                                                                                                                                                    |
| <b>Endotoxin</b>                    | < 1.0 EU/ µg of the protein as determined by the LAL method.                                                                                                                              |
| <b>Purity</b>                       | > 90 % as determined by SDS-PAGE                                                                                                                                                          |

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|                       |                                                                                                                                                                                         |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Characteristic</b> | Disulfide-linked homodimer<br>Labeled with Alexa Fluor 647 via amines<br>Excitation = 650 nm<br>Emission = 668 nm                                                                       |
| <b>Stability</b>      | Samples are stable for up to 12 months from date of receipt at -70 centigrade.                                                                                                          |
| <b>Storage</b>        | Store it under sterile conditions at -20 to -70 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.                     |
| <b>Storage Buffer</b> | Lyophilized from sterile PBS, pH 7.4, 5%-8% trehalose and mannitol.                                                                                                                     |
| <b>Reconstitution</b> | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 µg/µL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents. |
| <b>Conjugation</b>    | Alexa Fluor 647                                                                                                                                                                         |

## GENE INFORMATION

|                        |                                                                                                                                             |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | Btla B and T lymphocyte associated [ Rattus norvegicus ]                                                                                    |
| <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                                                                                                                                   |

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Protein Refseq

NP\_998795

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