Active Recombinant Rat BTLA Protein, Fc-tagged

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

SPECIFICATION

Product Overview	Recombinant rat Btla (NP_998795.1) (Ala6-Tyr183) was expressed with the Fc region of mouse IgG1 at the C-terminus.
Species	Rat
Source	HEK293
ProteinLength	6-183 a.a.
Predicted N Terminal	Lys 30
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Bio-activity	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.
Molecular Mass	The recombinant rat Btla consists 384 amino acids and predicts a molecular mass of 43.4 kDa.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Purity	>90 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70ºC.

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Storage	Store it under sterile conditions at -20ºC~-70ºC. 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 0.25 ug/ul. Centrifuge the vial at 4℃ before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Btla B and T lymphocyte associated [Rattus norvegicus]
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;
Gene ID	407756
mRNA Refseq	NM_213630
Protein Refseq	NP_998795
MIM	
UniProt ID	
Pathway	Adaptive Immune System, organism-specific biosystem; Costimulation by the CD28 family, organism-specific biosystem; Immune System, organism-specific biosystem;
Function	receptor activity; receptor activity;

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