PRODUCT INFORMATION

Target	BTLA
Synonyms	BTLA;CD272
Description	Recombinant human BTLA protein with C-terminal mouse Fc and 6×His tag
Delivery	In Stock
Uniprot ID	Q7Z6A9
Expression Host	HEK293
Tag	C-Mouse Fc and 6×His Tag
Molecular Characterization	BTLA(Lys31-Ser150) mFc(Pro99-Lys330) 6×His tag
Molecular Weight	The protein has a predicted molecular mass of 41.3 kDa after removal of the signal peptide.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	This gene encodes a member of the immunoglobulin superfamily. The encoded protein contains a single immunoglobulin (Ig) domain and is a receptor that relays inhibitory signals to suppress the immune response. Alternative splicing results in multiple transcript variants. Polymorphisms in this gene have been associated with an increased risk of rheumatoid arthritis.
Usage	Research use only
Conjugate	Unconjugated

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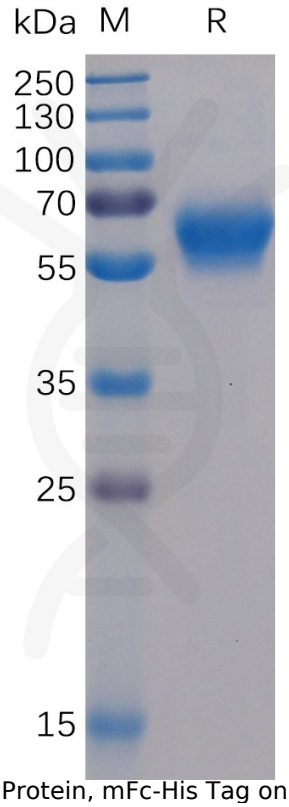


Figure 1. Human BTLA Protein, mFc-His Tag on SDS-PAGE under reducing condition.

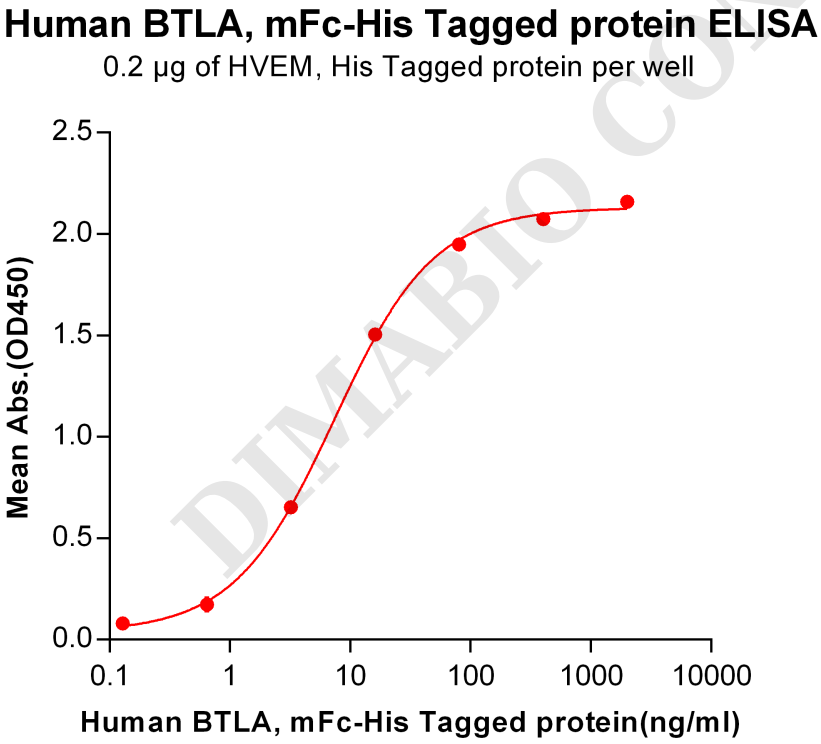


Figure 2. ELISA plate pre-coated by 2 μg/ml (100 μl/well) Human HVEM, His tagged protein PME100273 can bind Human BTLA,mFc-His tagged protein (PME100048) in a linear range of 0.64-80 ng/ml.

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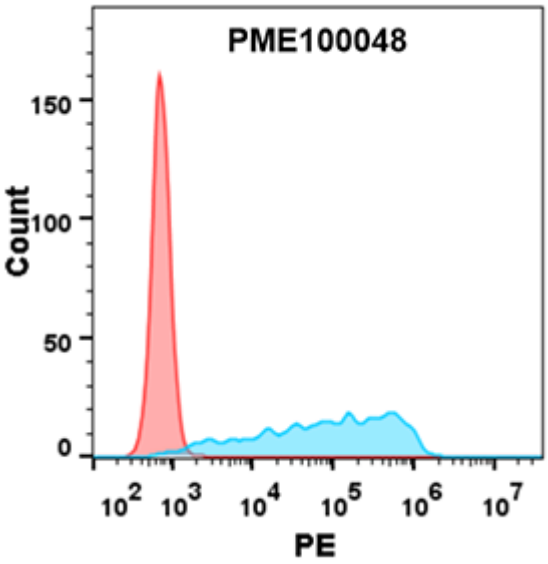


Figure 3. Flow cytometry analysis with 1μg/ml Human BTLA Protein, mFc-His tag (PME100048) on HEK293 cells transfected with human HVEM (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram).

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