PRODUCT INFORMATION

Target	NTB-A
Synonyms	NTB-A;SLAMF6;Ly108;NK-T-B-antigen;CD352;KALI
Description	Recombinant human NTB-A protein with C-terminal mouse Fc and 6×His tag
Delivery	In Stock
Uniprot ID	Q96DU3
Expression Host	HEK293
Tag	C-Mouse Fc and 6×His Tag
Molecular Characterization	NTB-A(Gln22-Met226) mFc(Pro99-Lys330) 6×His tag
Molecular Weight	The protein has a predicted molecular mass of 50.1 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	The protein encoded by this gene is a type I transmembrane protein, belonging to the CD2 subfamily of the immunoglobulin superfamily. This encoded protein is expressed on Natural killer (NK), T, and B lymphocytes. It undergoes tyrosine phosphorylation and associates with the Src homology 2 domain-containing protein (SH2D1A) as well as with SH2 domain-containing phosphatases (SHPs). It functions as a coreceptor in the process of NK cell activation. It can also mediate inhibitory signals in NK cells from X-linked lymphoproliferative patients. Alternative splicing results in multiple transcript variants encoding distinct isoforms.
Usage	Research use only
Conjugate	Unconjugated

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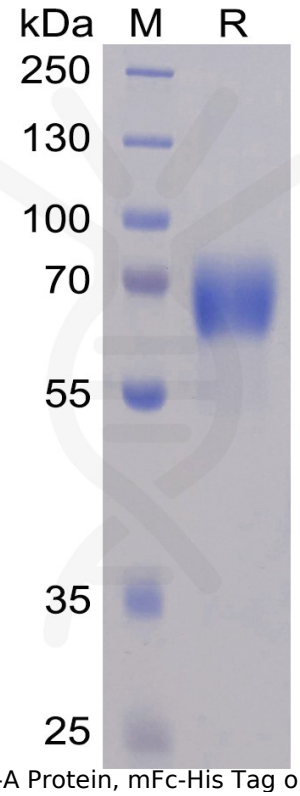


Figure 1.Human NTB-A Protein, mFc-His Tag on SDS-PAGE under reducing condition.

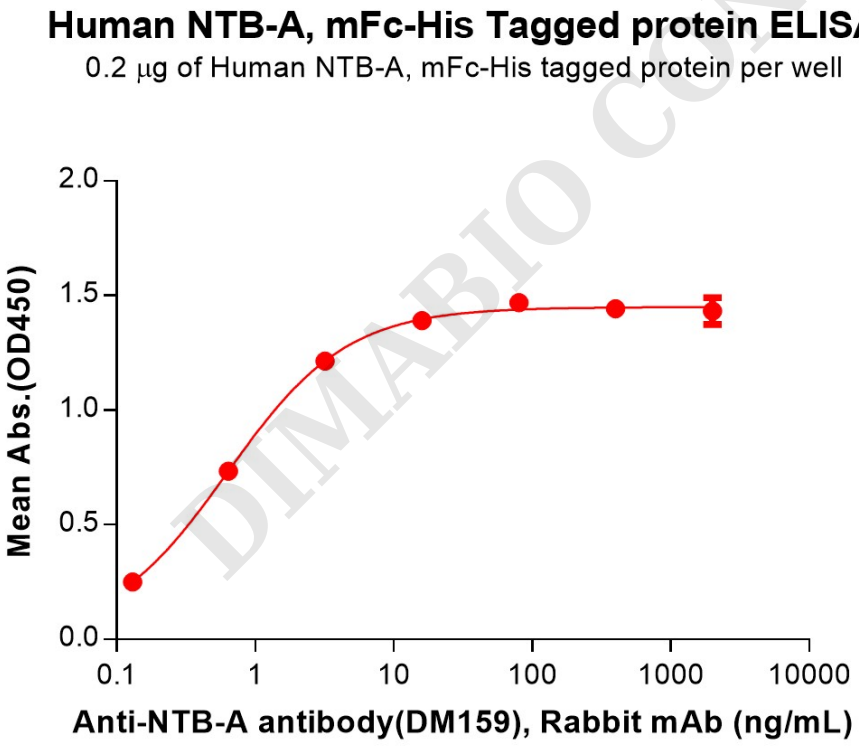


Figure 2. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human NTB-A Protein, mFc-His Tag (PME100059) can bind Anti-NTB-A antibody(DM159), Rabbit mAb in a linear range of 0.13–3.20 ng/mL.

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