

**PRODUCT INFORMATION**

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|---|---|
| <b>Target</b>                           | NTB-A   |
| <b>Synonyms</b>                         | NTB-A;SLAMF6;Ly108;NK-T-B-antigen;CD352;KALI  |
| <b>Description</b>                      | Recombinant human NTB-A protein with C-terminal mouse Fc and 6×His tag  |
| <b>Delivery</b>                         | In Stock  |
| <b>Uniprot ID</b>                       | Q96DU3  |
| <b>Expression Host</b>                  | HEK293  |
| <b>Tag</b>                              | C-Mouse Fc and 6×His Tag  |
| <b>Molecular Characterization</b>       | NTB-A(Gln22-Met226) mFc(Pro99-Lys330) 6×His tag   |
| <b>Molecular Weight</b>                 | The protein has a predicted molecular mass of 50.1 kDa after removal of the signal peptide.   |
| <b>Purity</b>                           | The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.  |
| <b>Formulation &amp; Reconstitution</b> | 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.   |
| <b>Storage &amp; Shipping</b>           | 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.   |
| <b>Background</b>                       | 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. |
| <b>Usage</b>                            | Research use only   |
| <b>Conjugate</b>                        | Unconjugated  |



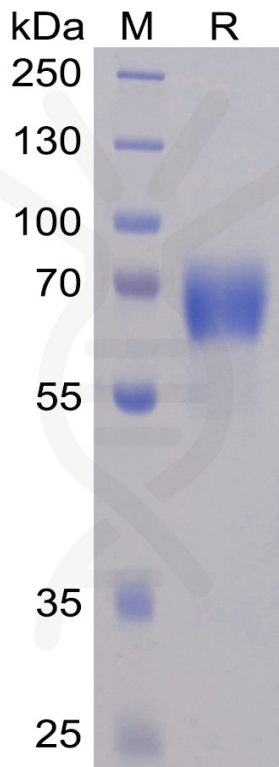


Figure 1. Human NTB-A Protein, mFc-His Tag on SDS-PAGE under reducing condition.

### Human NTB-A, mFc-His Tagged protein ELISA

0.2  $\mu$ g of Human NTB-A, mFc-His tagged protein per well

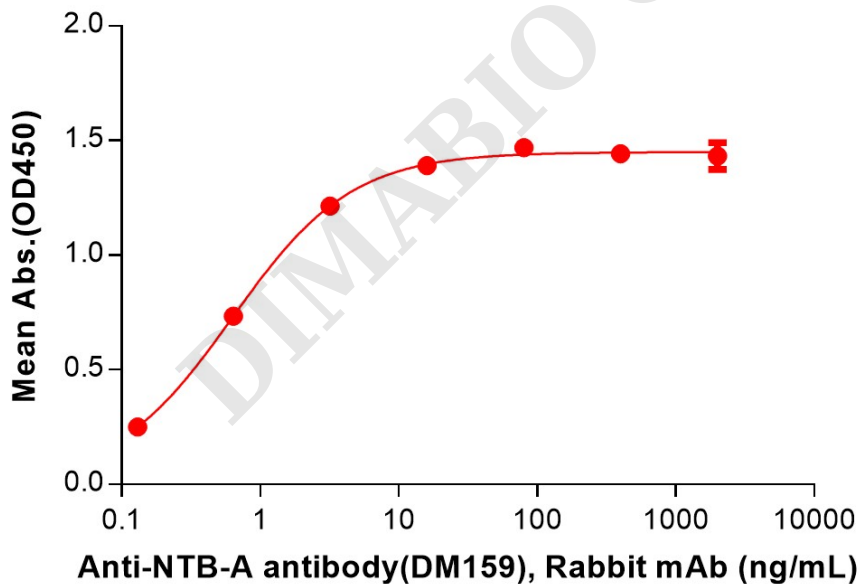


Figure 2. ELISA plate pre-coated by 2  $\mu$ g/mL (100  $\mu$ L/well) Human NTB-A Protein, mFc-His Tag (PME100059) can bind Anti-NTB-A antibody(DM159), Rabbit mAb in a linear range of 0.13–3.20 ng/mL.

