

**PRODUCT INFORMATION**

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| <b>Target</b>                           | 2B4  |
| <b>Synonyms</b>                         | CD244;2B4;SLAMF4;NKR2B4;NAIL;h2B4  |
| <b>Description</b>                      | Recombinant human 2B4 protein with C-terminal mouse Fc and 6×His tag   |
| <b>Delivery</b>                         | In Stock   |
| <b>Uniprot ID</b>                       | Q9BZW8   |
| <b>Expression Host</b>                  | HEK293   |
| <b>Tag</b>                              | C-Mouse Fc and 6×His Tag   |
| <b>Molecular Characterization</b>       | 2B4(Cys22-Ala216) mFc(Pro99-Lys330) 6×His tag  |
| <b>Molecular Weight</b>                 | The protein has a predicted molecular mass of 48.8 kDa after removal of the signal peptide. The apparent molecular mass of 2B4-mFc-His is approximately 70-100 kDa due to glycosylation.   |
| <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>                       | This gene encodes a cell surface receptor expressed on natural killer (NK) cells (and some T cells) that mediate non-major histocompatibility complex (MHC) restricted killing. The interaction between NK-cell and target cells via this receptor is thought to modulate NK-cell cytolytic activity. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. |
| <b>Usage</b>                            | Research use only  |



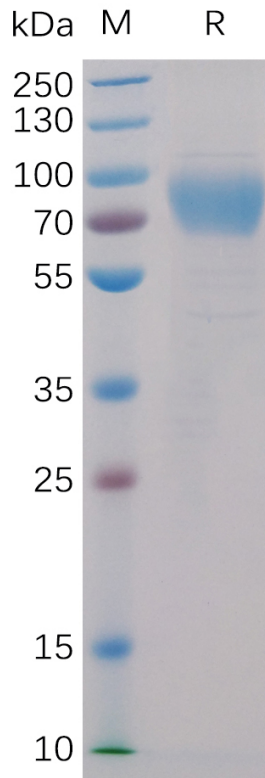


Figure 1. Human 2B4, mFc-His Tag on SDS-PAGE under reducing condition.

## Human 2B4, mFc-His Tagged protein ELISA

0.2  $\mu$ g of CD48, hFc Tagged protein per well

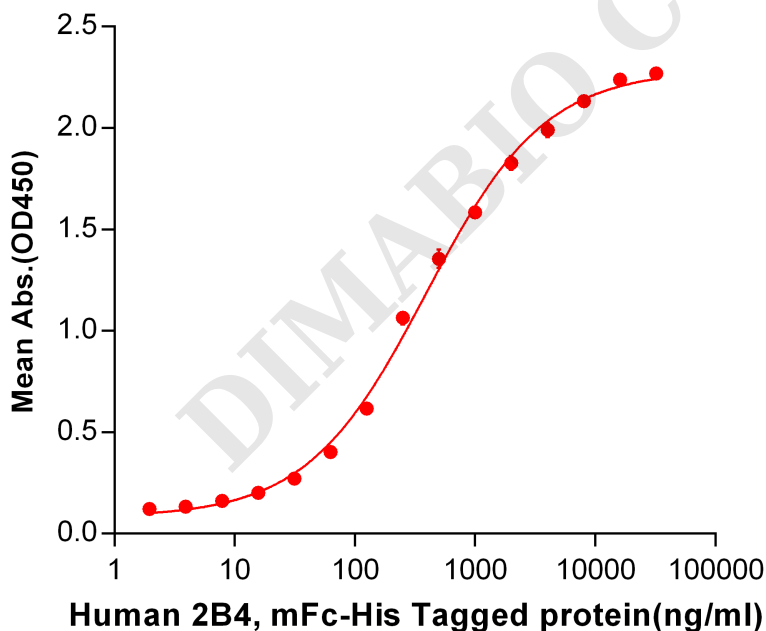


Figure 2. ELISA plate pre-coated by 2  $\mu$ g/ml (100  $\mu$ l/well) Human 2B4, mFc-His tagged protein (PME100010) can bind Human CD48, hFc tagged protein PME100476 in a linear range of 31.25-4000 ng/ml.

