

PRODUCT INFORMATION

|                              |  |
|------------------------------|--|
| Target                       | 2B4  |
| Synonyms                     | CD244;2B4;SLAMF4;NKR2B4;NAIL;h2B4  |
| Description                  | Recombinant human 2B4 protein with C-terminal mouse Fc and 6×His tag   |
| Delivery                     | In Stock   |
| Uniprot ID                   | Q9BZW8   |
| Expression Host              | HEK293   |
| Tag                          | C-Mouse Fc and 6×His Tag   |
| Molecular Characterization   | 2B4(Cys22-Ala216) mFc(Pro99-Lys330) 6×His tag  |
| Molecular Weight             | 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.   |
| 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 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. |
| Usage                        | Research use only  |
| Conjugate                    | Unconjugated   |



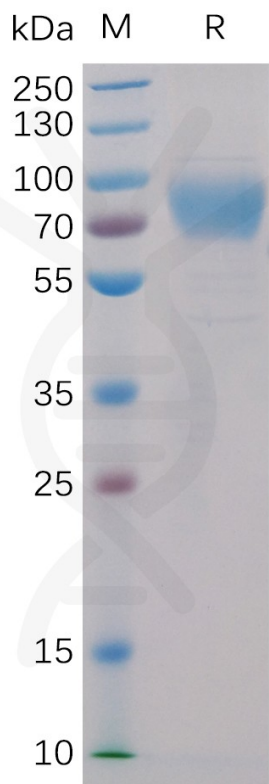


Figure 1. Human 2B4, mFc-His Tag on SDS-PAGE under reducing condition.

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

0.2 µg of CD48, hFc Tagged protein per well

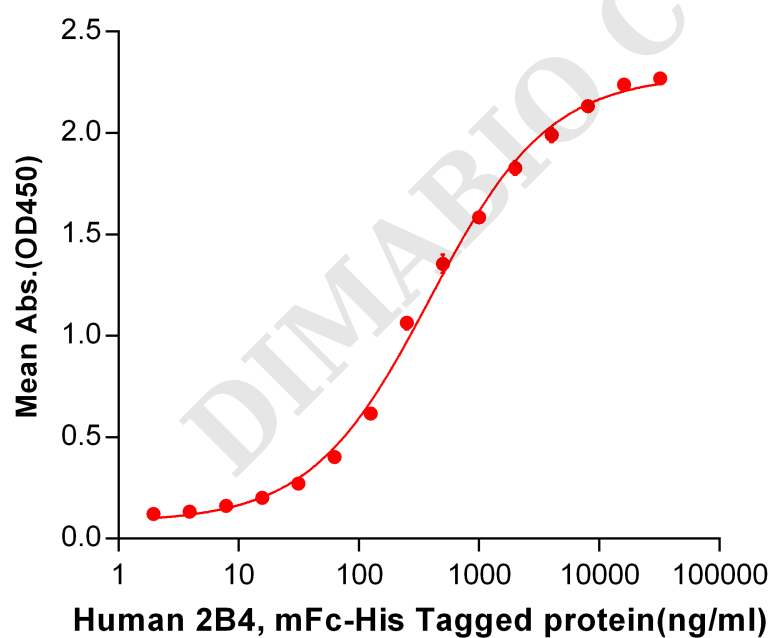


Figure 2. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human 2B4, mFc-His tagged protein (PME100010) can bind Human CD48, hFc tagged protein PME100476 in a linear range of 31.25-4000 ng/ml.

