

PRODUCT INFORMATION

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| 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 |



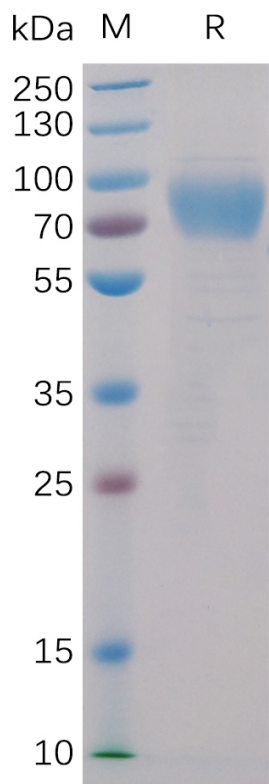


Figure 1. Human 2B4, mFc-His Tag on SDS-PAGE under reducing condition.

Human 2B4, mFc-His Tagged protein ELISA

0.2 µg of CD48, hFc Tagged protein per well

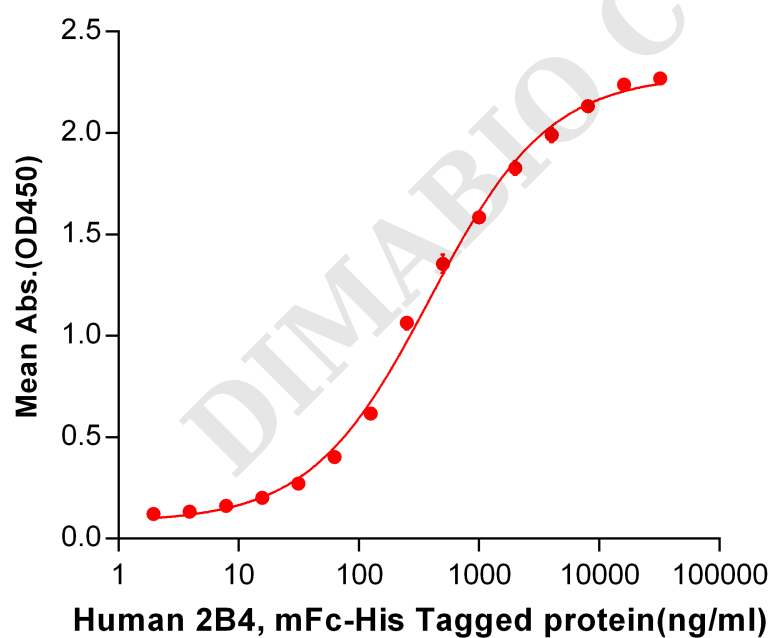


Figure 2. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human 2B4, mFc-His tagged protein (PME100010) can bind Human CD48, hFc tagged protein PME100476 in a linear range of 31.25-4000 ng/ml.

