

**PRODUCT INFORMATION**

<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
<b>Conjugate</b>	Unconjugated



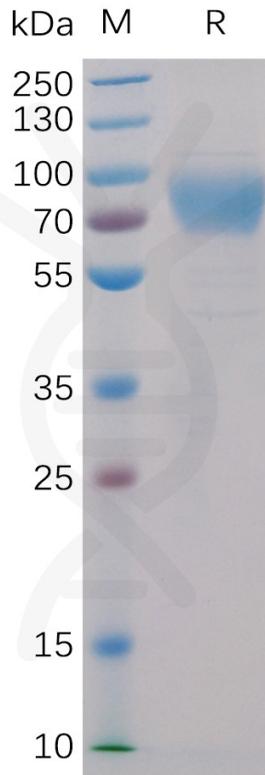


Figure 1. Human 2B4, mFc-His Tag on SDS-PAGE under reducing condition.

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

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

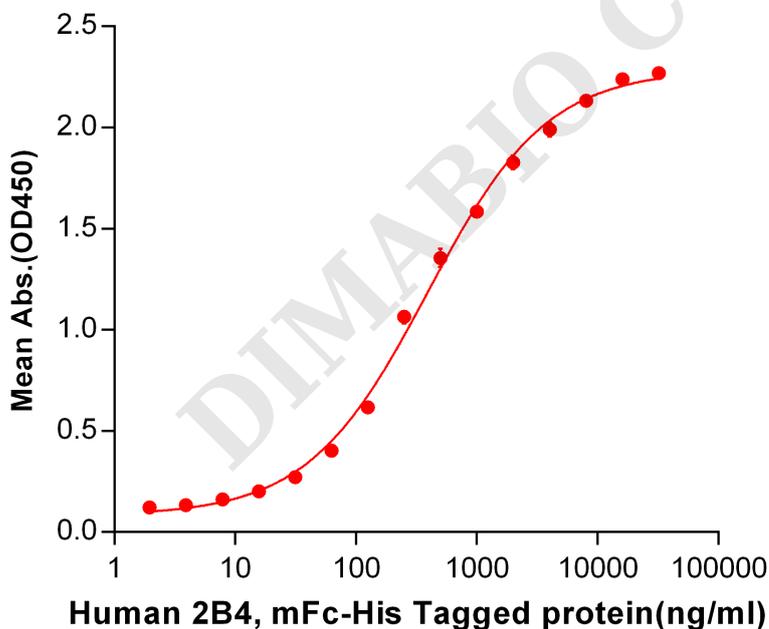


Figure 2. ELISA plate pre-coated by 2  $\mu$ g/ml (100  $\mu$ l/well) Human 2B4, mFc-His tagged protein (PME100010) can bind Human CD48, hFc tagged protein PME100476 in a linear range of 31.25-4000 ng/ml.

