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

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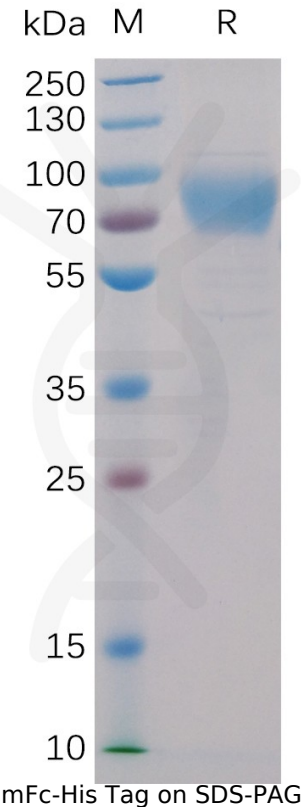


Figure 1. Human 2B4, mFc-His Tag on SDS-PAGE under reducing condition.

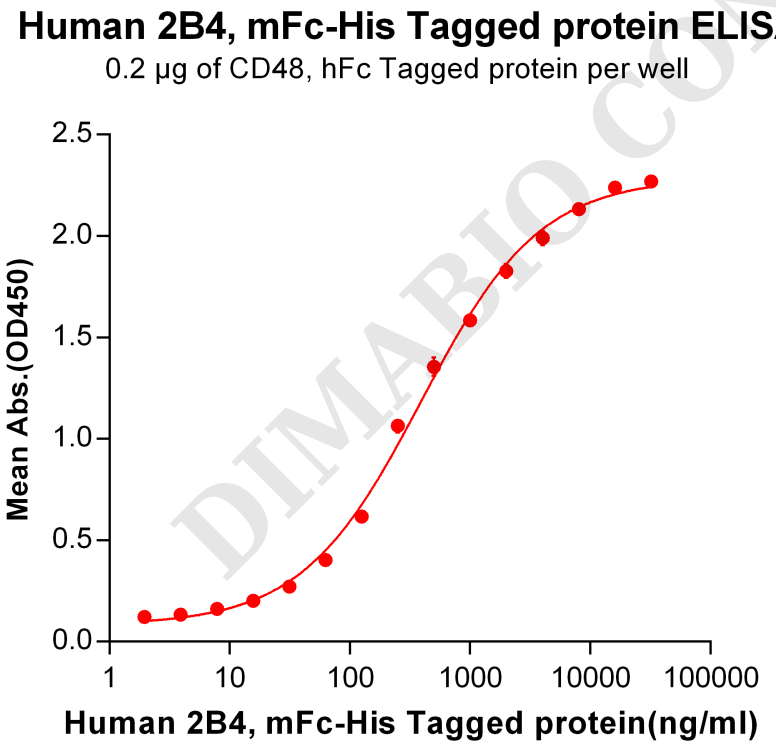


Figure 2. ELISA plate pre-coated by 2 μg/ml (100 μl/well) Human 2B4, mFc-His tagged protein (PME100010) can bind Human CD48, hFc tagged protein PME100476 in a linear range of 31.25-4000 ng/ml.

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