HUMAN 2B4 PROTEIN, MFC-HIS TAG

Cat.#: 11138
Product Name: Human 2B4 Protein
Size : 10 µg, 50 µg and 100 µg
Synonyms: CD244;2B4;SLAMF4;NKR2B4;NAIL;h2B4
Target: 2B4
UNIPROT ID: Q9BZW8
Description: Recombinant human 2B4 protein with C-terminal mouse Fc and 6xHis tag
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.
Species/Host: HEK293
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.
Molecular Characterization: 2B4(Cys22-Ala221) mFc(Pro99-Lys330) 6×His
Purity: The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.
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.

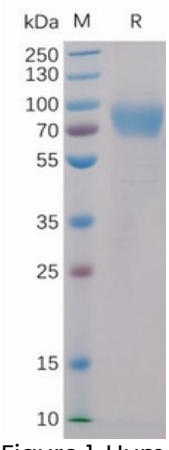

Figure 1. Human 2B4, mFc-His Tag on SDS-PAGE under reducing condition.

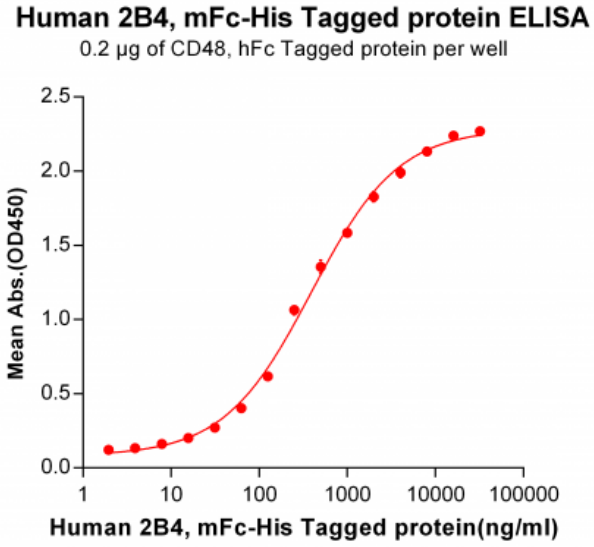

Figure 2. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human 2B4, mFc-His tagged protein (11138) can bind Human CD48, hFc tagged protein 11286 in a linear range of 31.25-4000 ng/ml.