

HUMAN B7-H5 PROTEIN, HFC TAG

Cat.#: 11729

Product Name: Human B7-H5 Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: B7-H5;B7H5;C10orf54;DD1alpha;Dies1;GI24;PD-1H;PP2135;SISPI;VISTA

Target: B7-H5

UNIPROT ID: Q9H7M9

Description: Recombinant Human B7-H5 with C-terminal human Fc tag

Background: Immunoregulatory receptor which inhibits the T-cell response (PubMed:24691993). May promote differentiation of embryonic stem cells, by inhibiting BMP4 signaling (By similarity). May stimulate MMP14-mediated MMP2 activation (PubMed:20666777).[UniProtKB/Swiss-Prot Function]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 44.3 kDa after removal of the signal peptide. The apparent molecular mass of B7-H5-hFc is approximately 55-70 kDa due to glycosylation.

Molecular Characterization: B7-H5(Phe33-Ala194) hFc(Glu99-Ala330)

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.

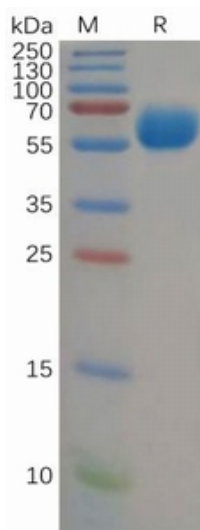


Figure 1. Human B7-H5 Protein, hFc Tag on SDS-PAGE under reducing condition.

Human B7-H5, hFc Tagged protein ELISA

0.2 µg of Human B7-H5, hFc tagged protein per well

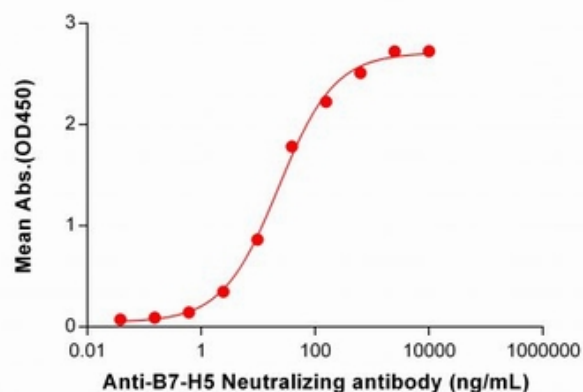


Figure 2. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human B7-H5 Protein, hFc Tag (11729) can bind Anti-B7-H5 Neutralizing antibody 28108 in a linear range of 2.44-625.00 ng/mL.