PRODUCT INFORMATION

Target	B7-H5
Synonyms	B7-H5;B7H5;C10orf54;DD1alpha;Dies1;GI24;PD-1H;PP2135;SISP1;VISTA
Description	Recombinant Human B7-H5 with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	Q9H7M9
Expression Host	HEK293
Tag	C-Human Fc Tag
Molecular Characterization	B7-H5(Phe33-Ala194) hFc(Glu99-Ala330)
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.
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	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]
Usage	Research use only
Conjugate	Unconjugated

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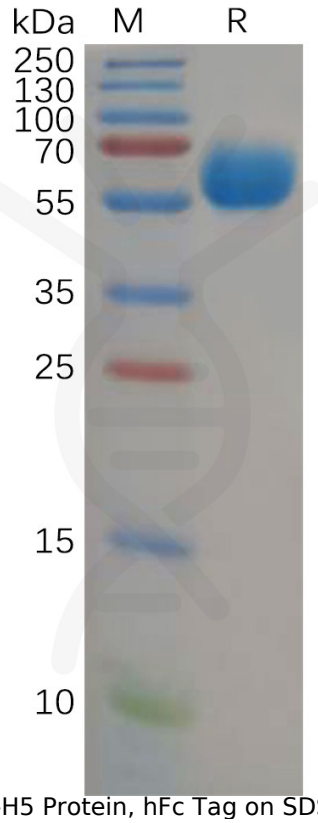


Figure 1. Human B7-H5 Protein, hFc Tag on SDS-PAGE under reducing condition.

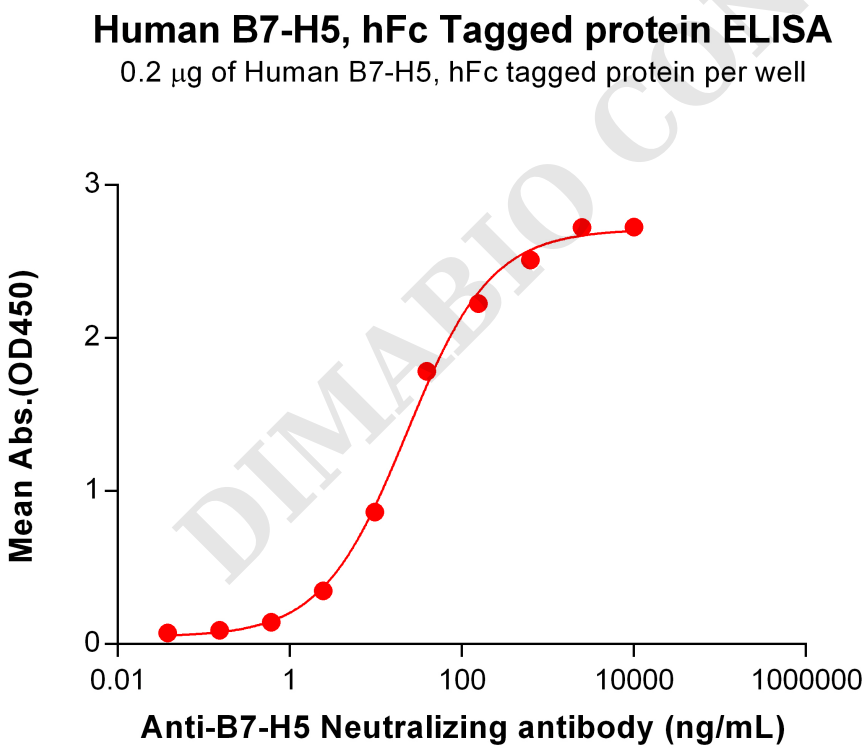


Figure 2. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human B7-H5 Protein, hFc Tag (PME101041) can bind Anti-B7-H5 Neutralizing antibody BME100109 in a linear range of 2.44–625.00 ng/mL.

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