

PRODUCT INFORMATION

Target	B7-H4
Synonyms	B7-H4;B7h.5;B7H4;B7S1;B7X;PRO1291;VCTN1
Description	Recombinant Human B7-H4 protein with C-terminal human Fc
Delivery	In Stock
Uniprot ID	Q7Z7D3
Expression Host	HEK293
Tag	C-Human Fc Tag
Molecular Characterization	B7-H4 (Phe29-Ala258) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 51.4 kDa after removal of the signal peptide. The apparent molecular mass of B7-H4-hFc is approximately 100-130 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 protein belonging to the B7 costimulatory protein family. Proteins in this family are present on the surface of antigen-presenting cells and interact with ligand bound to receptors on the surface of T cells. Studies have shown that high levels of the encoded protein has been correlated with tumor progression. A pseudogene of this gene is located on chromosome 20. Multiple transcript variants encoding different isoforms have been found for this gene.
Usage	Research use only



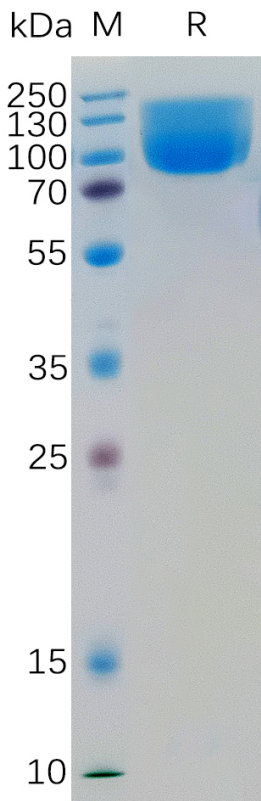


Figure 1. Human B7-H4 Protein, hFc Tag on SDS-PAGE under reducing condition.

**Human B7-H4, hFc tagged protein ELISA**  
0.1 µg of Human B7-H4, hFc tagged protein per well

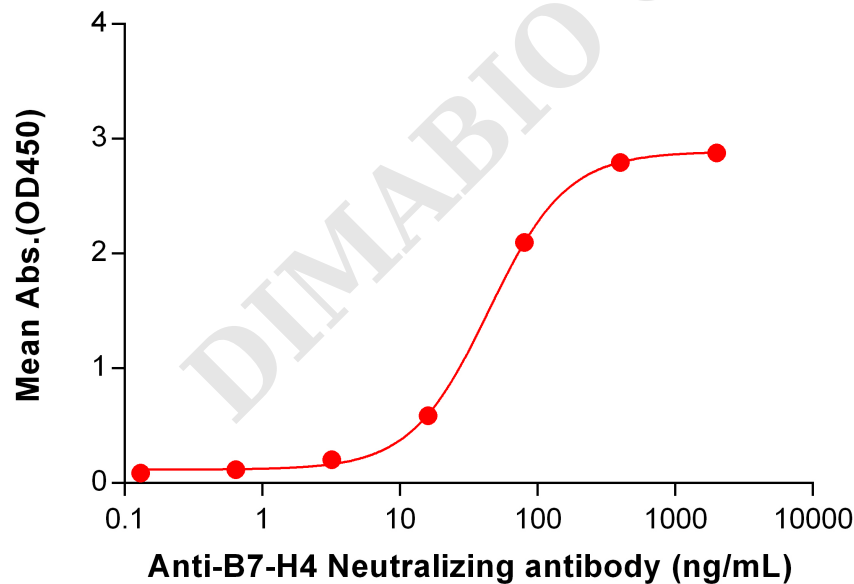


Figure 2. ELISA plate pre-coated by 1 µg/ml (100 µl/well) Human B7-H4, hFc-His tagged protein (PME100053) can bind Anti-B7-H4 Neutralizing antibody ([getskuurl sku"BME100078"]) in a linear range of 3.2-80 ng/ml.



**Human B7-H4, hFc Tagged protein ELISA**  
0.2 µg of Human B7-H4, hFc tagged protein per well

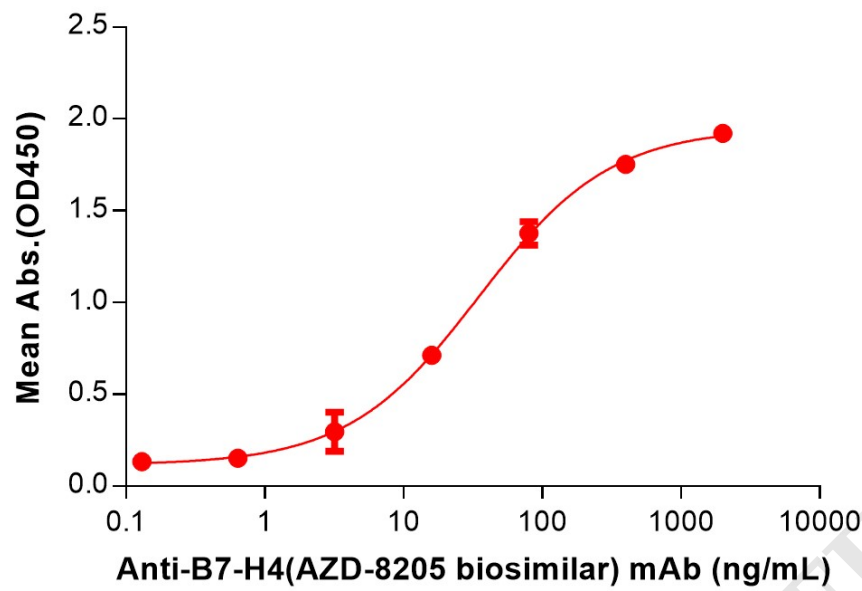


Figure 3. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human B7-H4 Protein, hFc Tag (PME100053) can bind Anti-B7-H4(AZD-8205 biosimilar) mAb (BME100190) in a linear range of 3.20–80 ng/mL.

**Human B7-H4, hFc Tagged protein ELISA**  
0.2 µg of Human B7-H4, hFc tagged protein per well

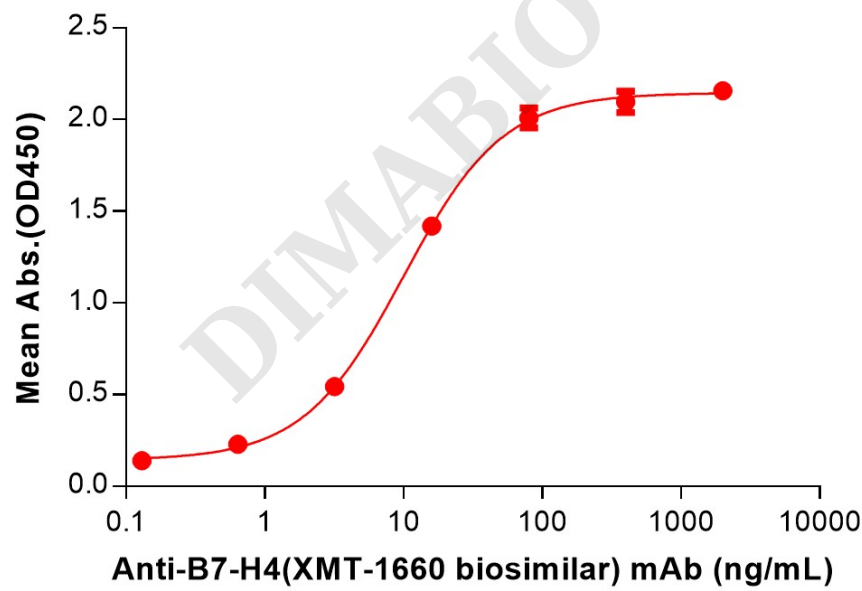


Figure 4. ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human B7-H4 Protein, hFc Tag (PME100053) can bind Anti-B7-H4(XMT-1660 biosimilar) mAb (BME100192) in a linear range of 3.20–80 ng/mL.

