

**PRODUCT INFORMATION**

<b>Target</b>	B7-H4
<b>Synonyms</b>	B7-H4;B7h.5;B7H4;B7S1;B7X;PRO1291;VCTN1
<b>Description</b>	Recombinant Human B7-H4 protein with C-terminal human Fc
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	Q7Z7D3
<b>Expression Host</b>	HEK293
<b>Tag</b>	C-Human Fc Tag
<b>Molecular Characterization</b>	B7-H4 (Phe29-Ala258) hFc(Glu99-Ala330)
<b>Molecular Weight</b>	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.
<b>Purity</b>	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
<b>Formulation &amp; Reconstitution</b>	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.
<b>Storage &amp; Shipping</b>	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.
<b>Background</b>	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.
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated



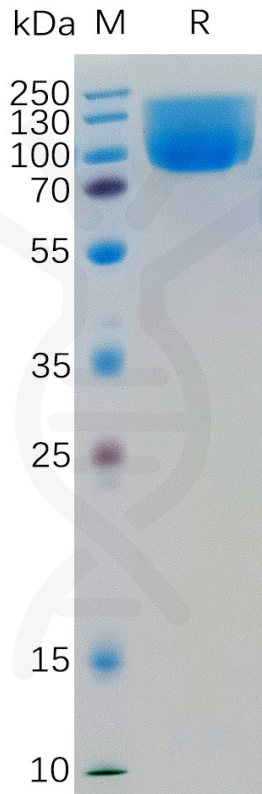


Figure 1. Human B7-H4 Protein, hFc Tag on SDS-PAGE under reducing condition.

### Human B7-H4, hFc tagged protein ELISA

0.1  $\mu\text{g}$  of Human B7-H4, hFc tagged protein per well

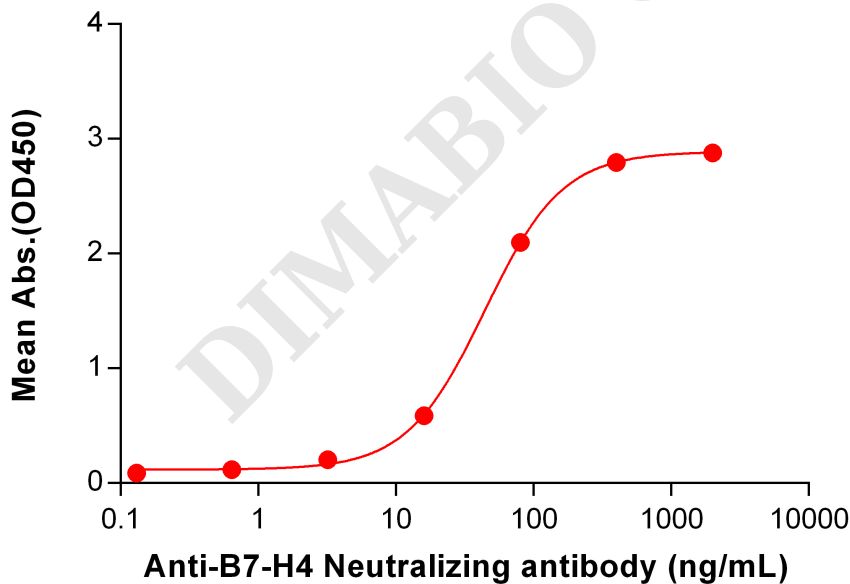


Figure 2. ELISA plate pre-coated by 1  $\mu\text{g}/\text{ml}$  (100  $\mu\text{l}/\text{well}$ ) Human B7-H4, hFc-His tagged protein (PME100053) can bind Anti-B7-H4 Neutralizing antibody ([getskuurl sku="BME100078"]) in a linear range of 3.2-80 ng/ml.



### Human B7-H4, hFc Tagged protein ELISA

0.2  $\mu$ g of Human B7-H4, hFc tagged protein per well

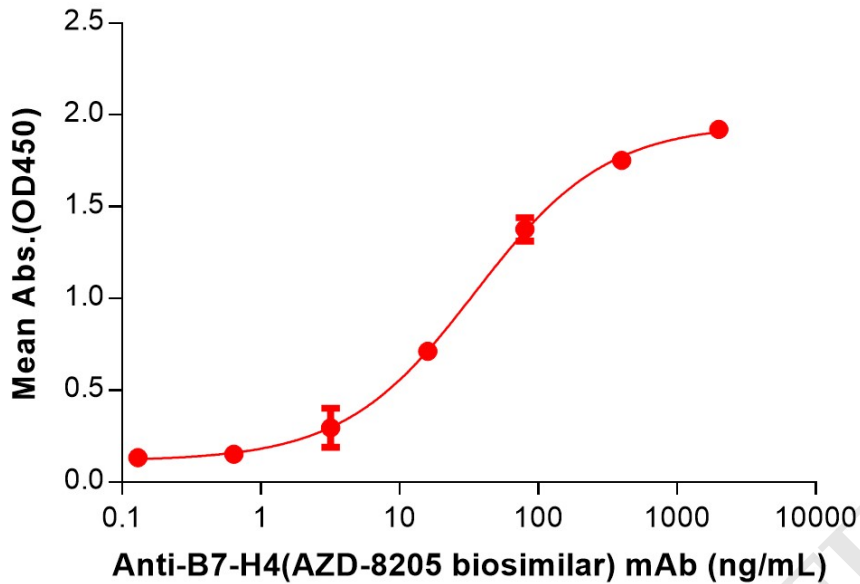


Figure 3. ELISA plate pre-coated by 2  $\mu$ g/mL (100  $\mu$ L/well) Human B7-H4 Protein, hFc Tag (PME100053) can bind Anti-B7-H4(AZD-8205 biosimilar) mAb (BME100190) in a linear range of 3.20–80 ng/mL.

### Human B7-H4, hFc Tagged protein ELISA

0.2  $\mu$ g of Human B7-H4, hFc tagged protein per well

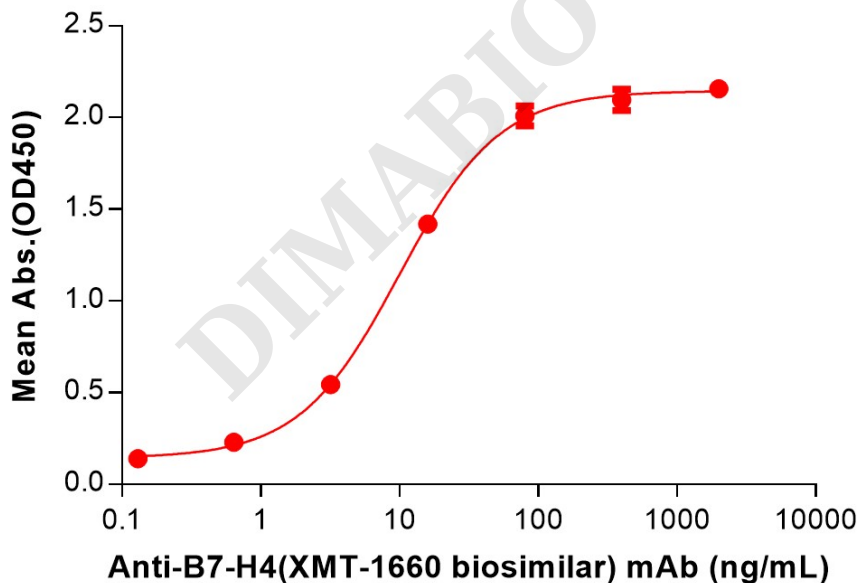


Figure 4. ELISA plate pre-coated by 2  $\mu$ g/mL (100  $\mu$ L/well) Human B7-H4 Protein, hFc Tag (PME100053) can bind Anti-B7-H4(XMT-1660 biosimilar) mAb (BME100192) in a linear range of 3.20–80 ng/mL.

