

PRODUCT INFORMATION

B7-H3 **Target**

Synonyms B7-H3;CD276;B7 homolog 3

Recombinant human B7-H3 protein with C-**Description**

terminal mouse Fc and 6×His tag

Delivery In Stock **Uniprot ID** Q5ZPR3 **Expression Host HEK293**

Tag C-Mouse Fc and 6×His Tag

Molecular

Purity

Background

B7-H3(Leu29-Pro245) mFc(Pro99-Lys330) 6×His Characterization

The protein has a predicted molecular mass of **Molecular Weight** 70-75 kDa after removal of the signal peptide.

The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before

Formulation & lyophilization. Please see Certificate of Analysis Reconstitution for specific instructions of reconstitution.

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). Storage & Shipping

Lyophilized proteins are shipped at ambient

temperature.

The protein encoded by this gene belongs to the immunoglobulin superfamily, and thought to participate in the regulation of T-cell-mediated immune response. Studies show that while the transcript of this gene is ubiquitously expressed in normal tissues and solid tumors, the protein is preferentially expressed only in tumor tissues. Additionally, it was observed that the 3' UTR of this transcript contains a target site for miR29

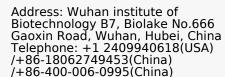
microRNA, and there is an inverse correlation between the expression of this protein and miR29 levels, suggesting regulation of expression of this gene product by miR29. Alternatively spliced transcript variants encoding different isoforms

have been found for this gene.

Usage Research use only

Conjugate Unconjugated

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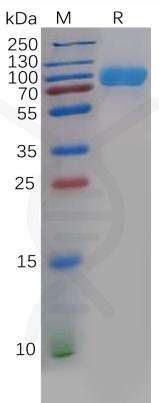


Figure 1. Human B7-H3 Protein, mFc-His Tag on SDS-PAGE under reducing condition.

Human B7-H3, mFc-His Tagged protein ELISA

0.2 µg of Human B7-H3, mFc-His Tagged protein per well

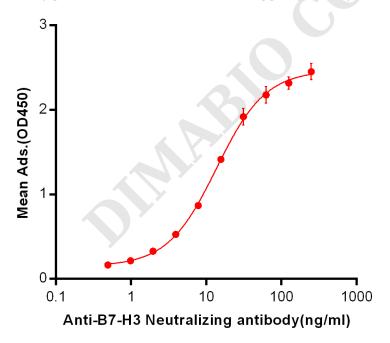


Figure 2.ELISA plate pre-coated by 2 μ g/ml (100 μ l/well) Human B7-H3, mFc-His tagged protein (PME100012) can bind Anti-B7-H3 Neutralizing antibody ([getskuurl sku"BME100010"]) in a linear range of 0.24-31.25 ng/ml.

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Human B7-H3, mFc-His Tagged protein ELISA

0.2 μg of Human B7-H3, mFc-His tagged protein per well

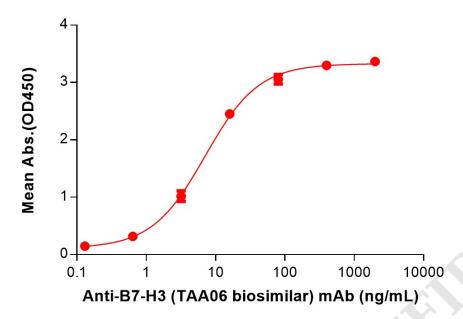
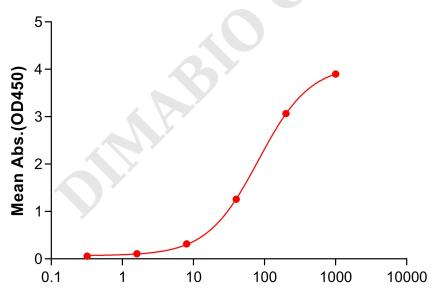


Figure 3. ELISA plate pre-coated by 2 μ g/mL (100 μ L/well) Human B7-H3 Protein, mFc-His Tag (PME100012) can bind Anti-B7-H3 (TAA06 biosimilar) mAb (BME100181) in a linear range of 0.64-16 ng/mL.

Human B7-H3, mFc-His Tagged protein ELISA

0.2 μg of Human B7-H3, mFc-His tagged protein per well



Biotinylated Anti-B7-H3 (enoblituzumab biosimilar) mAb (ng/mL)

Figure 4. ELISA plate pre-coated by 2 μ g/mL (100 μ L/well) Human B7-H3 Protein, mFc-His Tag (PME100012) can bind Biotinylated Anti-B7-H3 (enoblituzumab biosimilar) mAb (BME100010B) in a linear range of 40–200 ng/mL.

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