

PRODUCT INFORMATION

Target B7-H3

Synonyms B7H3; CD276; B7RP-2

Recombinant human B7-H3(29-245) Protein with Description

C-terminal human Fc tag

Delivery In Stock **Uniprot ID** Q5ZPR3-2 **Expression Host HEK293**

Tag C-Human Fc tag

Molecular

Purity

Background

Usage

B7-H3(Leu29-Pro245) hFc(Glu99-Ala330) Characterization

The protein has a predicted molecular mass of **Molecular Weight** 49.4 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. [provided by

> Email: info@dimabio.com Website: www.dimabio.com

RefSeq, Sep 2011] Research use only

Conjugate Unconjugated

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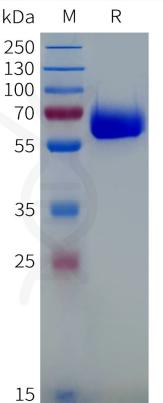
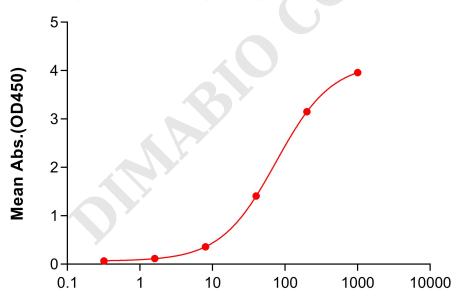


Figure 1. Human B7-H3(29-245) Protein, hFc Tag on SDS-PAGE under reducing condition.

Human B7-H3(29-245), hFc Tagged protein ELISA

 $0.2~\mu g$ of Human B7-H3(29-245), hFc tagged protein per well



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

Figure 2. ELISA plate pre-coated by 2 μ g/mL (100 μ L/well) Human B7-H3(29-245) Protein , hFc Tag (PME101831) can bind Biotinylated Anti-B7-H3 (enoblituzumab biosimilar) mAb (BME100010B) in a linear range of 40–200 ng/mL.

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