PRODUCT INFORMATION

Target	B7-H3
Synonyms	B7H3; CD276; B7RP-2; 4Ig-B7-H3
Description	Recombinant human B7-H3(27-461) Protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	Q5ZPR3-1
Expression Host	HEK293
Tag	C-Human Fc tag
Molecular Characterization	B7-H3(Gly27-Thr461) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 72.8 kDa after removal of the signal peptide.
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	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 RefSeq, Sep 2011]
Usage	Research use only
Conjugate	Unconjugated

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Address: Wuhan institute of Biotechnology B7, Biolake No.666 Gaoxin Road, Wuhan, Hubei, China
Telephone: +1 2409940618(USA)
/+86-18062749453(China)
/+86-400-006-0995(China)

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

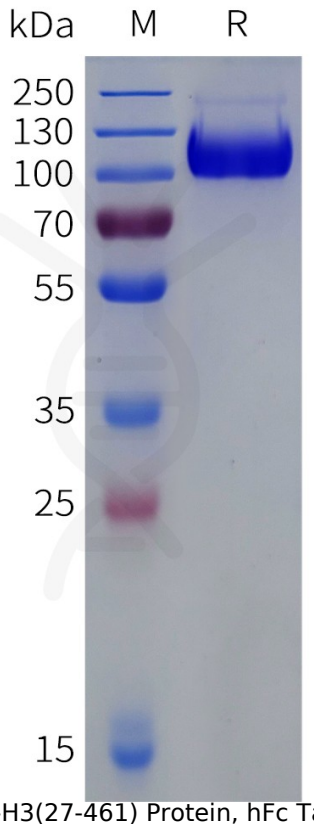


Figure 1. Human B7-H3(27-461) Protein, hFc Tag on SDS-PAGE under reducing condition.

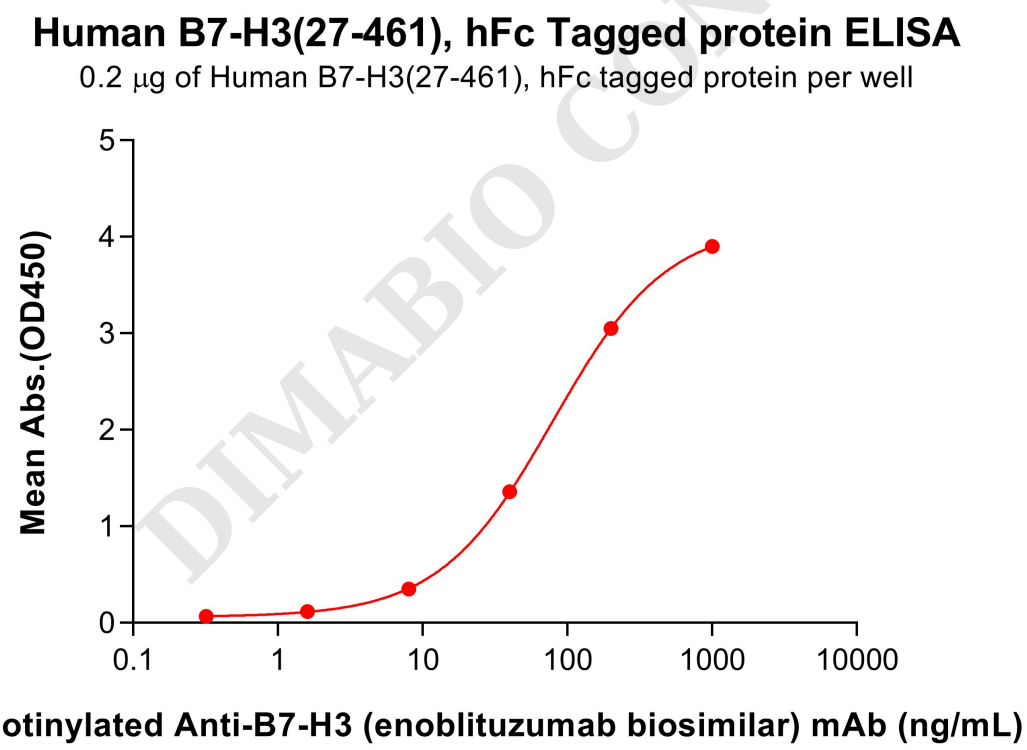


Figure 2. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human B7-H3(27-461) Protein, hFc Tag (PME101834) can bind Biotinylated Anti-B7-H3 (enoblituzumab biosimilar) mAb (BME100010B) in a linear range of 40–200 ng/mL.

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