

**PRODUCT INFORMATION**

<b>Target</b>	B7-H3
<b>Synonyms</b>	B7H3; CD276; B7RP-2; 4Ig-B7-H3
<b>Description</b>	Recombinant human B7-H3(27-461) Protein with C-terminal human Fc tag
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	Q5ZPR3-1
<b>Expression Host</b>	HEK293
<b>Tag</b>	C-Human Fc tag
<b>Molecular Characterization</b>	B7-H3(Gly27-Thr461) hFc(Glu99-Ala330)
<b>Molecular Weight</b>	The protein has a predicted molecular mass of 72.8 kDa after removal of the signal peptide.
<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>Sterility</b>	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 µm) prior to use.
<b>Background</b>	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]
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated

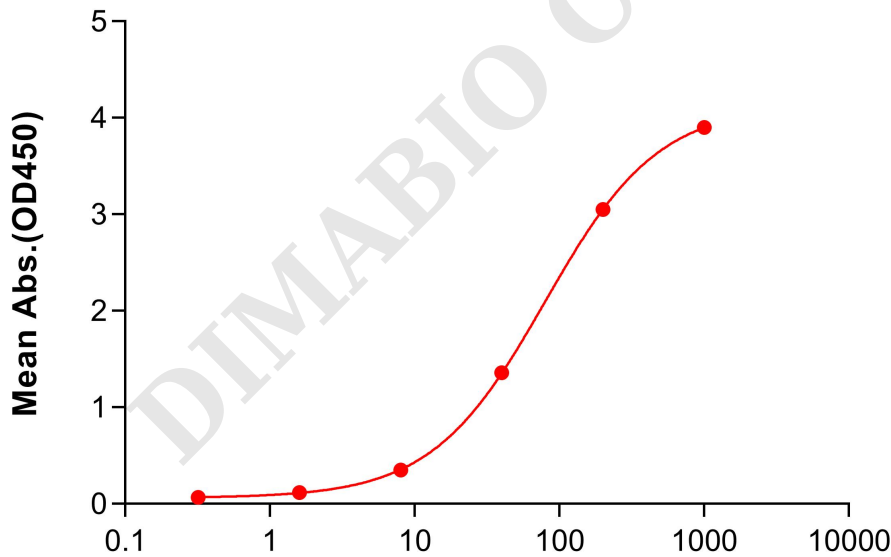




Figure 1. Human B7-H3(27-461) Protein, hFc Tag on SDS-PAGE under reducing condition.

### Human B7-H3(27-461), hFc Tagged protein ELISA

0.2  $\mu$ g of Human B7-H3(27-461), hFc tagged protein per well



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

Figure 2. ELISA plate pre-coated by 2  $\mu$ g/mL (100  $\mu$ L/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.

