

PRODUCT INFORMATION

Target	B7-H3
Synonyms	6030411F23Rik;AU016588;B7h3;B7RP-2
Description	Recombinant mouse B7-H3 protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	Q8VE98
Expression Host	HEK293
Tag	C-Human Fc Tag
Molecular Characterization	Mouse B7-H3(Val29-Phe244) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 28.7 kDa after removal of the signal peptide.The apparent molecular mass of mB7-H3-hFc is approximately 55-70 kDa due to glycosylation.
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.
Sterility	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 µm) prior to use.
Background	Modulates T-cell-mediated immune responses and the development of acute and chronic transplant rejection. Plays a positive regulatory role in bone formation and has a dual role in the bone-immune interface. Induces antitumor immunity as it activates both acquired and innate immunity leading to natural killer cell and CD8 T-cell dependent killing of tumor cells.[UniProtKB/Swiss-Prot Function]
Usage	Research use only
Conjugate	Unconjugated



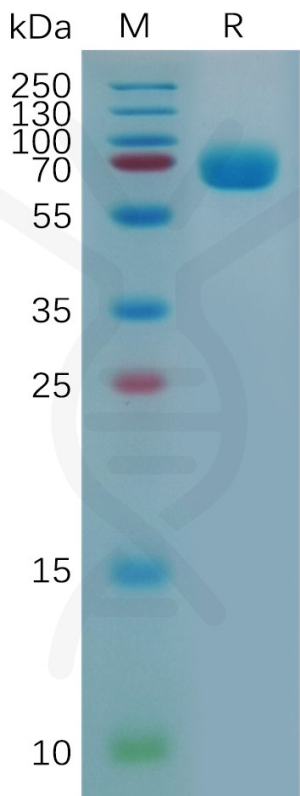


Figure 1. Mouse B7-H3 Protein, hFc Tag on SDS-PAGE under reducing condition.

Mouse B7-H3,hFc tagged protein ELISA
0.1 µg of Mouse B7-H3, hFc tagged protein per well

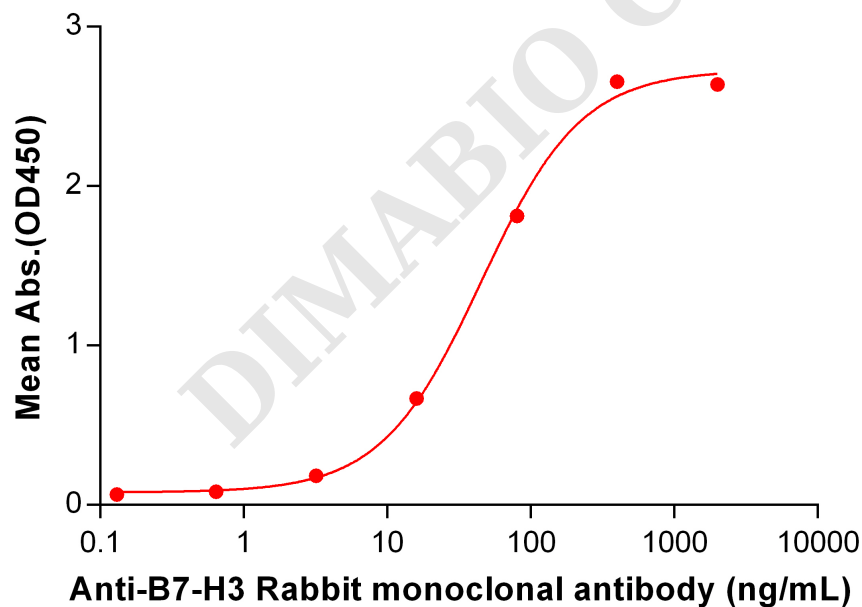


Figure 2. ELISA plate pre-coated by 1 µg/ml (100 µl/well) Mouse B7-H3 Protein, hFc Tag (PME-M100008) can bind anti-B7-H3 monoclonal antibody DME100053 in a linear range of 3.2-400 ng/mL.

