

MOUSE B7-H3 PROTEIN, HFC TAG

Cat.#: 12132

Product Name: Mouse B7-H3 Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: 6030411F23Rik;AU016588;B7h3;B7RP-2

Target: B7-H3

UNIPROT ID: Q8VE98

Description: Recombinant mouse B7-H3 protein with C-terminal human Fc tag

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]

Species/Host: HEK293

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.

Molecular Characterization: Mouse B7-H3(Val29-Phe244) hFc(Glu99-Ala330)

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

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

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.



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

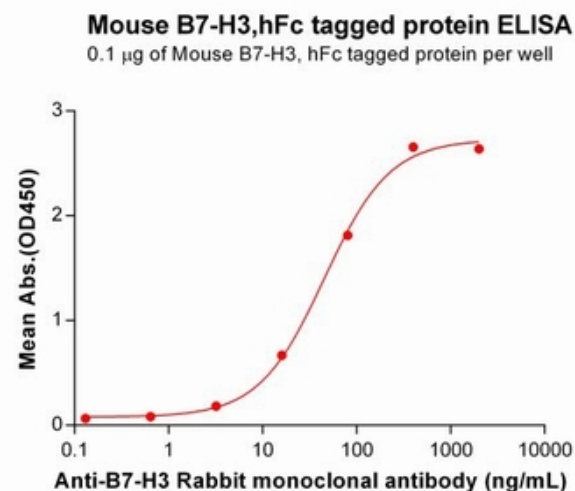


Figure 2. ELISA plate pre-coated by 1 µg/ml (100 µl/well) Mouse B7-H3 Protein, hFc Tag (12132) can bind anti-B7-H3 monoclonal antibody 28351 in a linear range of 3.2-400 ng/mL.