# 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.

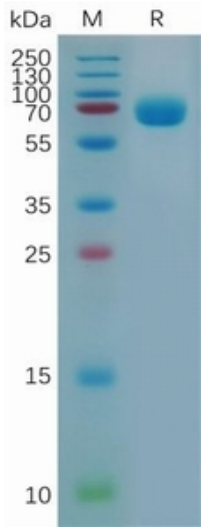


Figure 1. Mouse B7-H3 Protein, hFc Tag on SDS-PAGE under reducing condition.

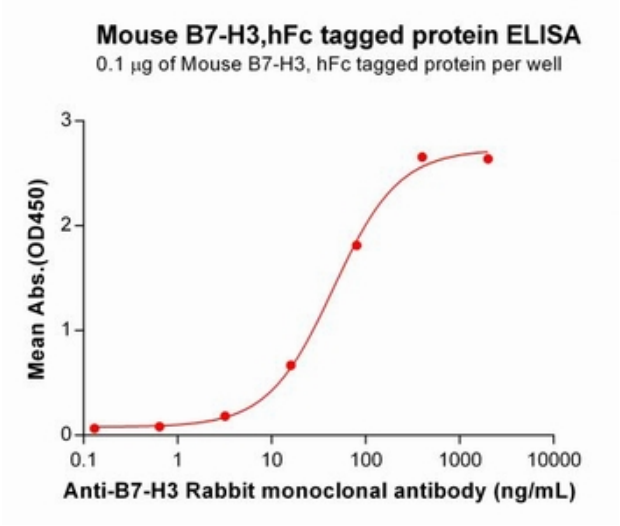


Figure 2. ELISA plate pre-coated by 1 μg/ml (100 μl/well) Mouse B7-H3 Protein, hFc Tag (12132) can bind anti-B7-H3 monoclonal antibody 28351 in a linear range of 3.2-400 ng/mL.