

## HUMAN B7-H6 PROTEIN, HIS TAG

**Cat.#:** 11313

**Product Name:** Human B7-H6 Protein

**Size:** 10 µg, 50 µg and 100 µg

**Synonyms:** B7-H6;CR3LG1;7 Homolog 6

**Target:** B7-H6

**UNIPROT ID:** Q68D85

**Description:** Recombinant Human B7-H6 Protein with C-terminal 6xHis tag

**Background:** B7H6 belongs to the B7 family (see MIM 605402) and is selectively expressed on tumor cells. Interaction of B7H6 with Nkp30 (NCR3, MIM 611550) results in natural killer (NK) cell activation and cytotoxicity.

**Species/Host:** HEK293

**Molecular Weight:** The protein has a predicted molecular mass of 27.5 kDa after removal of the signal peptide. The apparent molecular mass of B7-H6-His is approximately 35-55 kDa due to glycosylation.

**Molecular Characterization:** B7-H6(Asp25-Ser262) 6×His tag

**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.

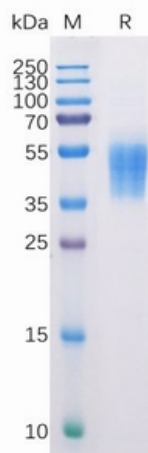


Figure 1. Human B7-H6 Protein, His Tag on SDS-PAGE under reducing condition.

## Human B7H6, His Tagged protein ELISA

0.2  $\mu$ g of B7H6, His Tagged protein per well

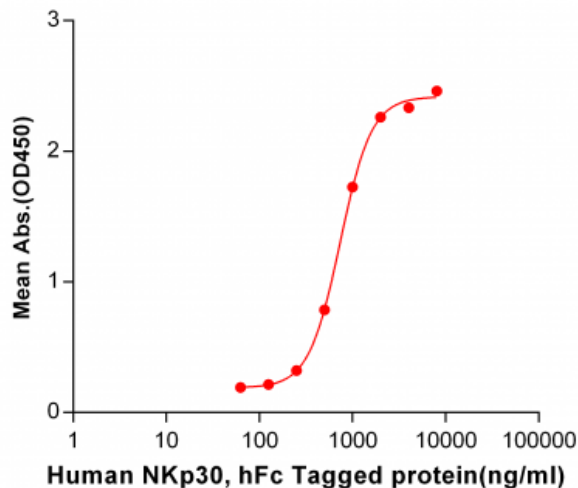


Figure 2. ELISA plate pre-coated by 2  $\mu$ g/ml (100  $\mu$ l/well) Human B7-H6, His tagged protein (11313) can bind Human NKp30, hFc tagged protein 11201 in a linear range of 250-2000 ng/ml.

## Human B7-H6, His tagged protein ELISA

0.1  $\mu$ g of Human B7-H6, His tagged protein per well

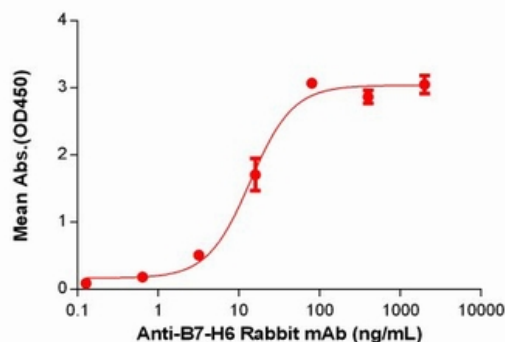


Figure 3. ELISA plate pre-coated by 1  $\mu$ g/ml (100  $\mu$ l/well) Human B7-H6 Protein, His Tag(11313) can bind Anti-B7-H6 Rabbit mAb in a linear range of 3.2-80 ng/mL.