

## HUMAN LAG3 PROTEIN, HIS TAG

**Cat.#:** 11315

**Product Name:** Human LAG3 Protein

**Size:** 10 µg, 50 µg and 100 µg

**Synonyms:** LAG-3;CD223

**Target:** LAG3

**UNIPROT ID:** P18627

**Description:** Recombinant Human LAG3 Protein with C-terminal 6xHis tag

**Background:** Lymphocyte-activation protein 3 belongs to Ig superfamily and contains 4 extracellular Ig-like domains. The LAG3 gene contains 8 exons. The sequence data, exon/intron organization, and chromosomal localization all indicate a close relationship of LAG3 to CD4. [provided by RefSeq, Jul 2008]

**Species/Host:** HEK293

**Molecular Weight:** The protein has a predicted molecular mass of 47.0 kDa after removal of the signal peptide. The apparent molecular mass of LAG3-His is approximately 55-70 kDa due to glycosylation.

**Molecular Characterization:** LAG3(Leu23-Leu245) 6xHis 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.

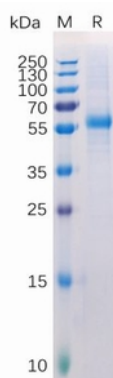


Figure 1. Human LAG3 Protein, His Tag on SDS-PAGE under reducing condition.

### Human LAG3, His Tagged protein ELISA

0.1 µg of Human LAG3, His Tagged protein per well

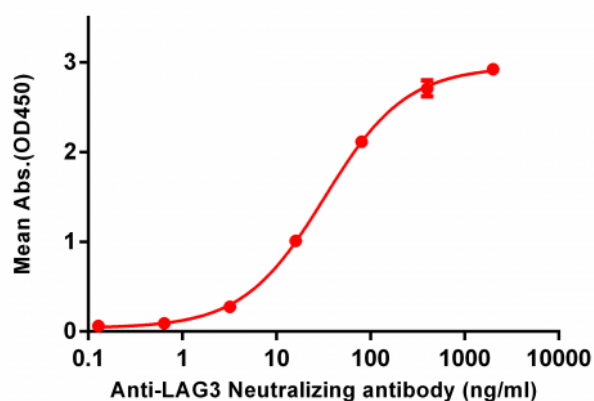


Figure 2. ELISA plate pre-coated by 1 µg/ml (100 µl/well) Human LAG3, His tagged protein (11315) can bind Anti-LAG3 Neutralizing antibody 28069 in a linear range of 16-80ng/ml.