HUMAN BTLA PROTEIN, HIS TAG

Cat.#: 11324
Product Name: Human BTLA Protein
Size : 10 μg, 50 μg and 100 μg
Synonyms: BTLA;CD272
Target: BTLA
UNIPROT ID: Q7Z6A9
Description: Recombinant human BTLA protein with C-terminal 6xHis tag
Background: This gene encodes a member of the immunoglobulin superfamily. The encoded protein contains a single immunoglobulin (Ig) domain and is a receptor that relays inhibitory signals to suppress the immune response. Alternative splicing results in multiple transcript variants. Polymorphisms in this gene have been associated with an increased risk of rheumatoid arthritis.
Species/Host: HEK293
Molecular Weight: The protein has a predicted molecular mass of 14.6 kDa after removal of the signal peptide.The apparent molecular mass of Human-BTLA-His is approximately 25-35 kDa due to glycosylation.
Molecular Characterization: Human BTLA(Lys31-Ser150) 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.

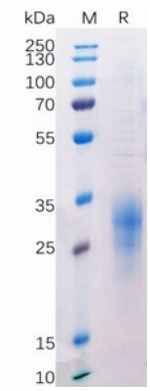

Figure 1. Human BTLA Protein, His Tag on SDS-PAGE under reducing condition.

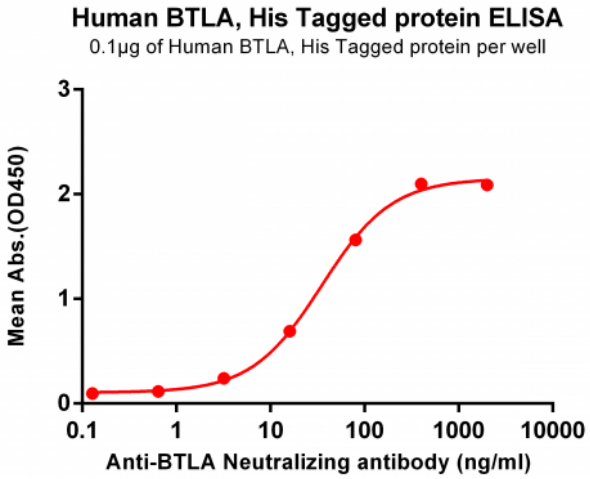

Figure 2. ELISA plate pre-coated by 1 μg/ml (100 μl/well) Human BTLA , His tagged protein (11324) can bind Anti-BTLA Neutralizing antibody 28062 in a linear range of 16-80 ng/ml.

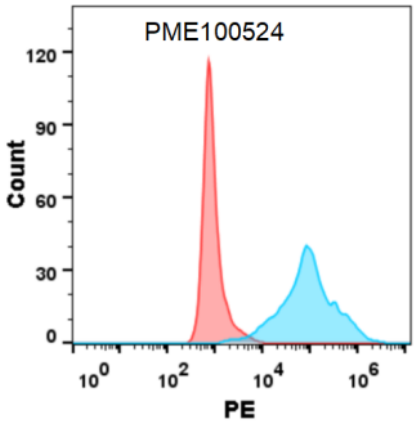

Figure 3. Flow cytometry analysis with 15 μg/ml Human BTLA Protein, His tag (11324) on Expi293 cells transfected with human HVEM (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).