HUMAN B7-1 PROTEIN, MFC-HIS TAG

货号: 11173
产品全名: 人 B7-1 蛋白
规格: 10/50/100 μg
基因符号 CD80;7;7-1;7.1;B1;D28LG;D28LG1;AB7
目标蛋白: B7-1
UNIPROT ID: P33681
描述: Recombinant Human B7-1 Protein with C-terminal Mouse Fc and 6xHis tag
背景: The protein encoded by this gene is a membrane receptor that is activated by the binding of CD28 or CTLA-4. The activated protein induces T-cell proliferation and cytokine production. This protein can act as a receptor for adenovirus subgroup B and may play a role in lupus neuropathy.
物种/宿主: HEK293
分子量: The protein has a predicted molecular mass of 50.9 kDa after removal of the signal peptide. The apparent molecular mass of B7-1-mFc-His is approximately 70-130 kDa due to glycosylation.
分子特征: B7-1(Val35-Asn242) mFc(Pro99-Lys330) 6×His tag
纯化: 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.
储存和运输: 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.

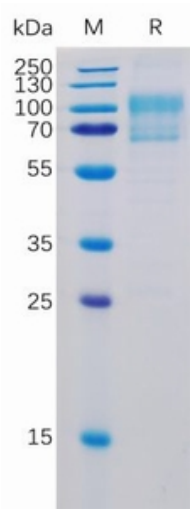

Figure 1. Human B7-1 Protein, mFc-His Tag on SDS-PAGE under reducing condition.

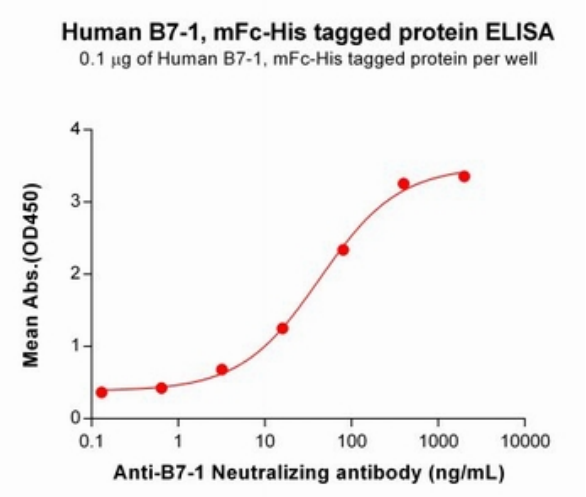

Figure 2. ELISA plate pre-coated by 1 μg/ml (100 μl/well) Human B7-1, mFc-His tagged protein (11173) can bind anti-B7-1 monoclonal antibody,Rabbit mAb clone: DM111 in a linear range of 0.13-80 ng/ml.

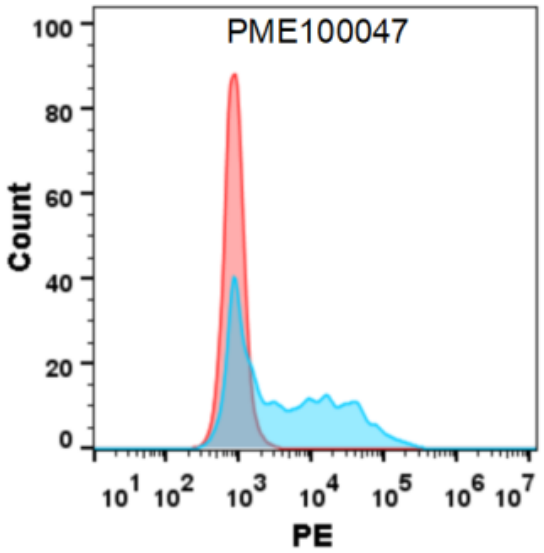

Figure 3. Flow cytometry analysis with 15 μg/ml Human B7-1 Protein, mFc-His tag (11173) on Expi293 cells transfected with human CD28 (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).