

HUMAN DNAM-1 PROTEIN, MFC-HIS TAG

Cat.#: 11176

Product Name: Human DNAM-1 Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: DNAMI;CD226;PTA1

Target: DNAM-1

UNIPROT ID: Q15762

Description: Recombinant human DNAM-1 protein with C-terminal mouse Fc and 6xHis tag

Background: This gene encodes a glycoprotein expressed on the surface of NK cells, platelets, monocytes and a subset of T cells. It is a member of the Ig-superfamily containing 2 Ig-like domains of the V-set. The protein mediates cellular adhesion of platelets and megakaryocytic cells to vascular endothelial cells. The protein also plays a role in megakaryocytic cell maturation. Alternative splicing results in multiple transcript variants.

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 53.5 kDa after removal of the signal peptide.

Molecular Characterization: DNAM-1(Glu19-Asn247) mFc(Pro99-Lys330) 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.

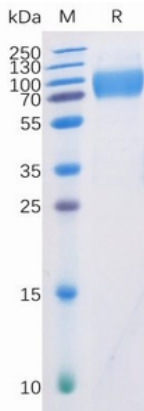


Figure 1. Human DNAM-1 Protein, mFc-His Tag on SDS-PAGE under reducing condition.

Human DNAM-1, mFc-His Tagged protein ELISA

0.2 µg of Human DNAM-1, mFc-His Tagged protein per well

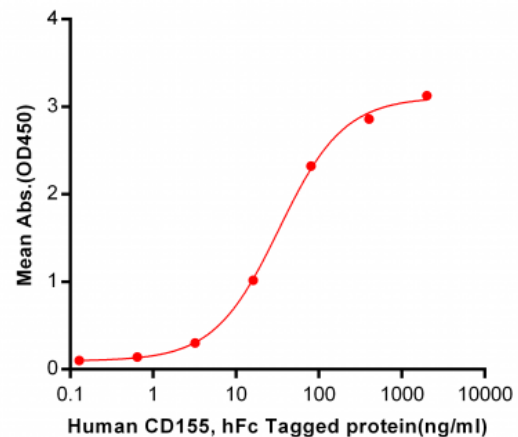


Figure 2. ELISA plate pre-coated by 2 µg/ml (100 µl/well) Human DNAM-1, mFc-His tagged protein (11176) can bind Human CD155, hFc Tagged protein 11293 in a linear range of 0.128-32.88 ng/ml.