

MOUSE DNAM-1 PROTEIN, HFC TAG

Cat.#: 12165

Product Name: Mouse DNAM-1 Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: CD226;PTA1

Target: DNAM-1

UNIPROT ID: Q5DW69

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

Background: Involved in intercellular adhesion, lymphocyte signaling, cytotoxicity and lymphokine secretion mediated by cytotoxic T-lymphocyte (CTL) and NK cell. Cell surface receptor for NECTIN2. Upon ligand binding, stimulates T-cell proliferation and cytokine production, including that of IL2, IL5, IL10, IL13, and IFNG. Competes with PVRIG for NECTIN2-binding.[UniProtKB/Swiss-Prot Function]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 52.9 kDa after removal of the signal peptide. The apparent molecular mass of mDNAM-1-hFc is approximately 55-70 kDa due to glycosylation.

Molecular Characterization: Mouse DNAM-1(Glu19-Pro254) hFc(Glu99-Ala330)

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.

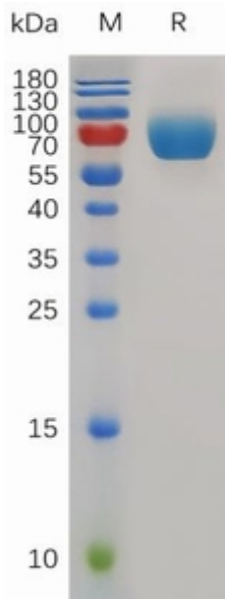


Figure 1. Mouse DNAM1 Protein, hFc Tag on SDS-PAGE under reducing condition.