## PRODUCT INFORMATION

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|---|---|
| **Target** | DNAM1 |
| **Synonyms** | DNAM1;CD226;PTA1 |
| **Description** | Recombinant human DNAM-1 protein with C-terminal mouse Fc and 6×His tag |
| **Delivery** | In Stock |
| **Uniprot ID** | Q15762 |
| **Expression Host** | HEK293 |
| **Tag** | C-Mouse Fc and 6×His Tag |
| **Molecular Characterization** | DNAM-1(Glu19-Asn247) mFc(Pro99-Lys330) 6×His tag |
| **Molecular Weight** | The protein has a predicted molecular mass of 53.5 kDa after removal of the signal peptide. |
| **Purity** | The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining. |
| **Formulation & Reconstitution** | Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. |
| **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. |
| **Sterility** | Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 μm) prior to use. |
| **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. |
| **Usage** | Research use only |
| **Conjugate** | Unconjugated |

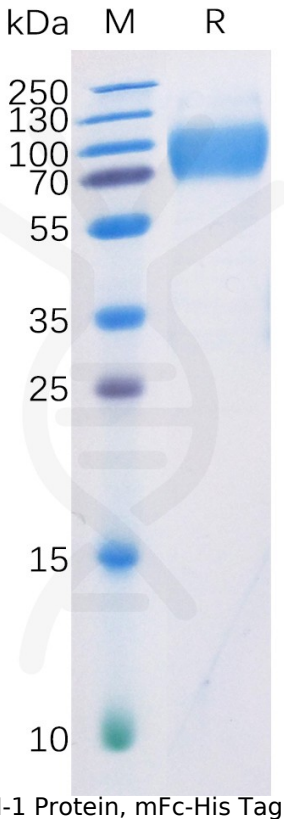


Figure 1. Human DNAM-1 Protein, mFc-His Tag on SDS-PAGE under reducing condition.

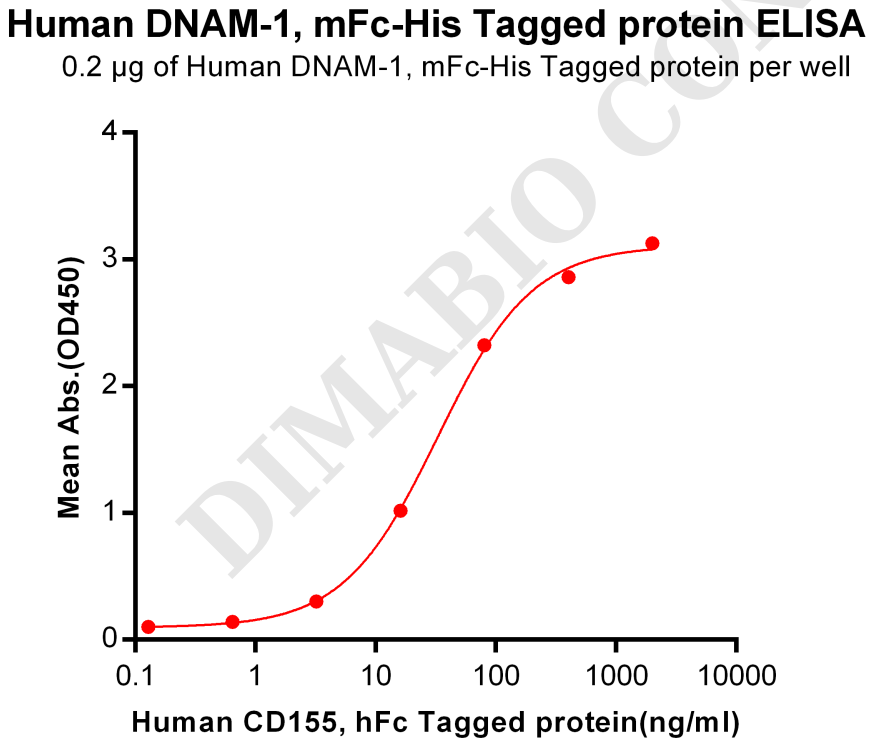


Figure 2. ELISA plate pre-coated by 2 μg/ml (100 μl/well) Human DNAM-1, mFc-His tagged protein (PME100050) can bind Human CD155, hFc Tagged protein PME100485 in a linear range of 0.128-32.88 ng/ml.