

Recombinant Cynomolgus DNAM-1/CD226 Protein

Catalog No.: RP02629

Sequence Information

Species	Gene ID
Cynomolgus	102117316
Swiss Prot	Tags
A0A2K5W1Z6-1	C-His

Synonyms

CD226 molecule; CD226; DNAM1; PTA1; TLISA1

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by Tris-Bis PAGE; ≥ 95 % as determined by HPLC.

Calculated MW Observed MW

27.7 kDa 48-68 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

DNAX accessory molecule-1 (DNAM-1), also known as CD226, is a 65 kDa type I transmembrane glycoprotein in the immunoglobulin superfamily. DNAM-1 mediates cellular adhesion to other cells bearing its ligands, CD112 and CD155, and cross-linking DNAM-1 with antibodies causes cellular activation. Furthermore, DNAM-1 can interact with PVR and PVRL2.

Basic Information

Description

Recombinant Cynomolgus DNAM-1/CD226 Protein is expressed from Expi293 with His tag at the C-terminal.; It contains Glu19-Phe252.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature. Liquid proteins are shipped at frozen temperature with dry ice. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

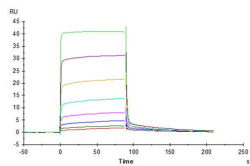
Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

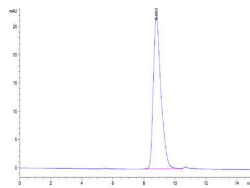
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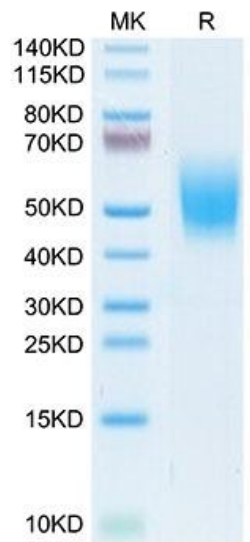
Validation Data



Human CD155, hFc Tag captured on CM5 Chip via Protein A can bind Cynomolgus DNAM-1, His Tag with an affinity constant of 0.881 μ M as determined in SPR assay (Biacore T200).



The purity of Cynomolgus DNAM-1 is greater than 95% as determined by SEC-HPLC.



Recombinant Cynomolgus DNAM-1/CD226 Protein was determined by Tris-Bis PAGE under reducing conditions.