

Recombinant Cynomolgus DNAM-1/CD226 Protein

Catalog No.: RP02629 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Cynomolgus	102117316	A0A2K5W1Z6-1

Tags

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

Endotoxin


Less than 1EU per µg by the 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 freeze-thaw cycles.

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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.

Bio-Activity

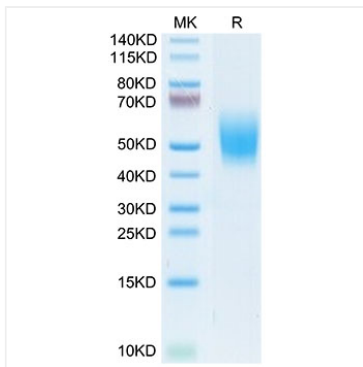
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

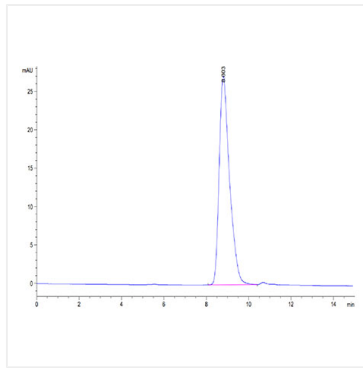
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

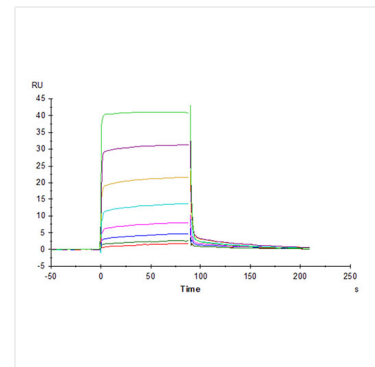
Validation Data



Cynomolgus DNAM-1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



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



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 μM as determined in SPR assay (Biacore T200).