Mouse DNAM-1/CD226 Protein, Ultra Low Endotoxin

Cat. No. DAM-MM101-UL

Description

Source	Recombinant Mouse DNAM-1/CD226 Protein is expressed from HEK293 with His tag at the C-terminus.
	It contains Glu19-Pro254.
Accession	Q8K4F0
Molecular Weight	The protein has a predicted MW of 28.39 kDa. Due to glycosylation, the protein migrates to 45-60 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

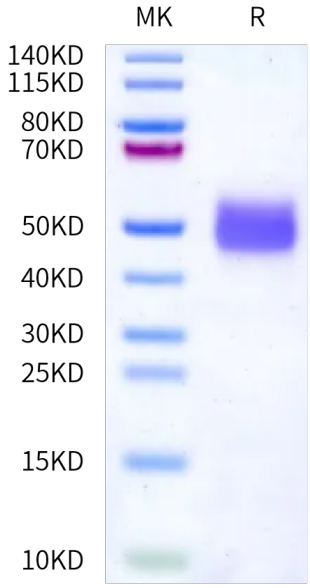
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-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.

Assay Data

Bis-Tris PAGE



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

SEC-HPLC

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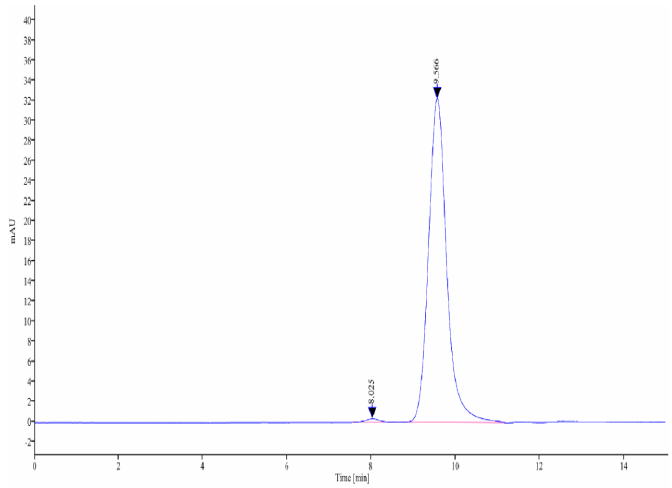
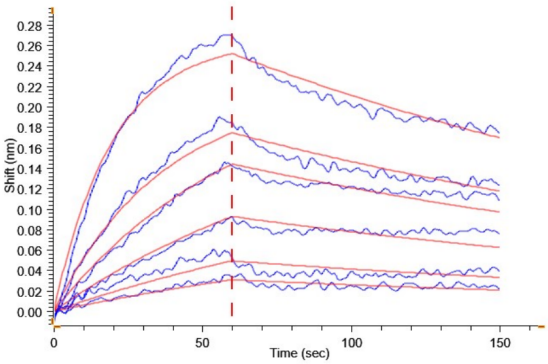
Assay Data



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

BLI Data



Loaded Mouse DNAM-1, His Tag on Anti-His-Biosensor can bind Biotinylated Human CD155, hFc-Avi Tag with an affinity constant of 9.64 nM as determined in BLI assay .