

Datasheet for ABIN7274017

CADM1 Protein (AA 48-388) (His tag)**2** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	CADM1
Protein Characteristics:	AA 48-388
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CADM1 protein is labelled with His tag.

Product Details

Purpose:	Mouse CADM1/IGSF4A Protein
Sequence:	Gln48-Asp388
Characteristics:	Recombinant Mouse CADM1/IGSF4A Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gln48-Asp388.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	CADM1
Alternative Name:	CADM1 (CADM1 Products)

Target Details

Background:	The cell adhesion molecule 1 (CADM1) is a molecule of cell adhesion with multiple functions and has been identified as a tumor suppressor gene. CADM1 has multifunctions on the pathogenesis of malignancies, and other normal cells such as immune cells. On the contrary to these cutaneous solid tumors except for Merkel cell carcinoma, cutaneous lymphomas, such as adult-T cell leukemia/lymphoma, mycosis fungoides, and Sézary syndrome, increase their CADM1 expression for the development of tumor environment.
Molecular Weight:	39.1 kDa. Due to glycosylation, the protein migrates to 75-80 kDa based on Tris-Bis PAGE result.
Pathways:	Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process , Cell-Cell Junction Organization , Activated T Cell Proliferation

Application Details

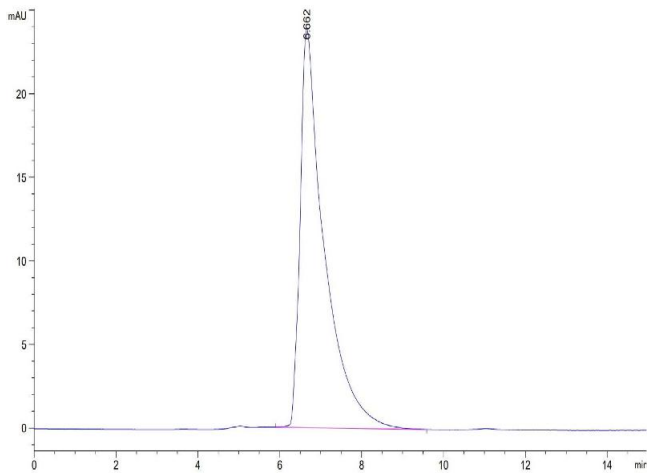
Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months

Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 1. The purity of Mouse CADM1/IGSF4A is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 2. Mouse CADM1/IGSF4A on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

