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Datasheet for ABIN7274836 ICAM1 Protein (AA 28-485) (His tag)

2 Images



Overview

Quantity:	100 µg
Target:	ICAM1
Protein Characteristics:	AA 28-485
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ICAM1 protein is labelled with His tag.

Product Details

Purpose:	Mouse ICAM-1/CD54 Protein
Sequence:	Gln28-Asn485
Characteristics:	Recombinant Mouse ICAM-1/CD54 Protein is expressed from HEK293 with His tag at the C- Terminus.It contains Gln28-Asn485.
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:	ICAM1
Alternative Name:	ICAM-1 (ICAM1 Products)

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Target Details Background: Intercellular adhesion molecule-1 (ICAM-1, CD54) is a 90 kDa member of the immunoglobulin (Ig) superfamily and is critical for the firm arrest and transmigration of leukocytes out of blood vessels and into tissues. ICAM-1 is constitutively present on endothelial cells, but its expression is increased by proinflammatory cytokines. The endothelial expression of ICAM-1 is increased in atherosclerotic and transplant-associated atherosclerotic tissue and in animal models of atherosclerosis. Molecular Weight: 51.3 kDa. Due to glycosylation, the protein migrates to 70-80 kDa based on Tris-Bis PAGE result. Pathways: Cellular Response to Molecule of Bacterial Origin, Regulation of Actin Filament Polymerization, Carbohydrate Homeostasis, Regulation of Leukocyte Mediated Immunity, Thromboxane A2 Receptor Signaling

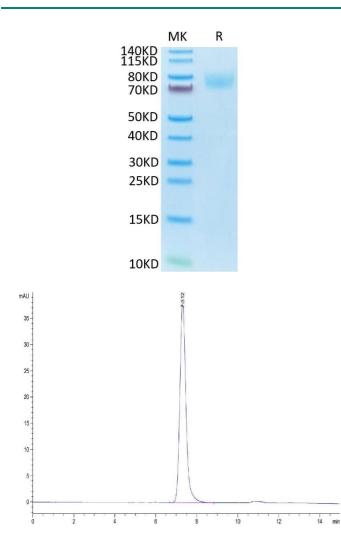
Application Details

Restrictions:	
Restrictions.	

For Research Use only

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



SDS-PAGE

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

Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Mouse ICAM-1 is greater than 95 % as determined by SEC-HPLC.

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