

Datasheet for ABIN7274835

**ICAM1 Protein (AA 28-480) (His tag)****3** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	ICAM1
Protein Characteristics:	AA 28-480
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ICAM1 protein is labelled with His tag.

## Product Details

Purpose:	Human ICAM-1/CD54 Protein
Sequence:	Gln28-Glu480
Characteristics:	Recombinant Human ICAM-1/CD54 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gln28-Glu480.
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.
Biological Activity Comment:	Immobilized Human ICAM-1, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-ICAM-1 Antibody, hFc Tag with the EC50 of 7.3ng/ml determined by ELISA. See testing image for detail.

## Target Details

Target:	ICAM1
Alternative Name:	ICAM-1 ( <a href="#">ICAM1 Products</a> )
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:	50.6 kDa. Due to glycosylation, the protein migrates to 68-80 kDa based on Tris-Bis PAGE result.
Pathways:	<a href="#">Cellular Response to Molecule of Bacterial Origin</a> , <a href="#">Regulation of Actin Filament Polymerization</a> , <a href="#">Carbohydrate Homeostasis</a> , <a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">Thromboxane A2 Receptor Signaling</a>

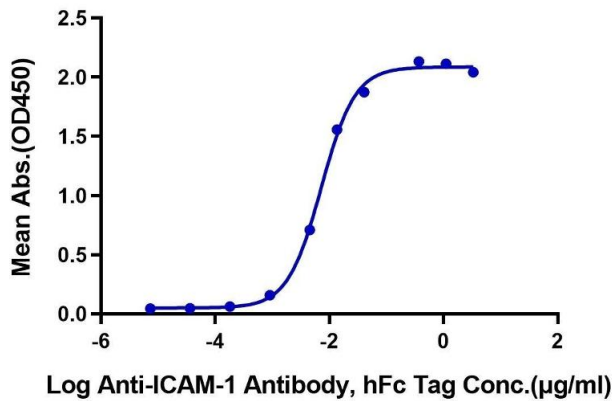
## Application Details

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

**Human ICAM-1, His Tag ELISA**  
0.05µg Human ICAM-1, His Tag Per Well

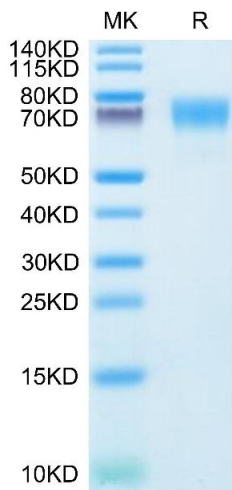
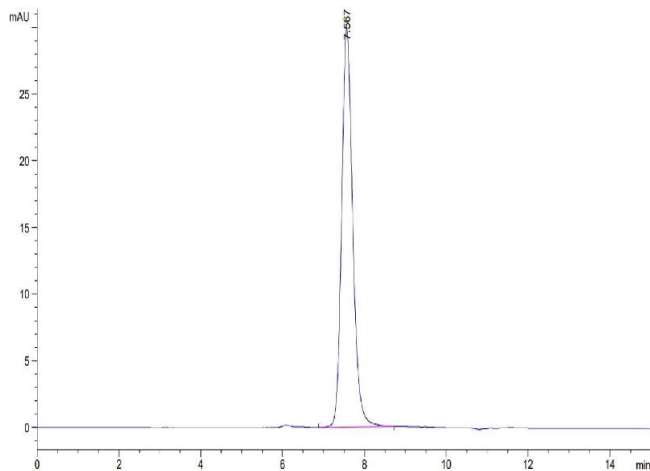


**ELISA**

**Image 1.** Immobilized Human ICAM-1, His Tag at 0.5 µg/mL (100 µL/Well) on the plate. Dose response curve for Anti-ICAM-1 Antibody, hFc Tag with the EC50 of 7.3 ng/mL determined by ELISA.

**Size-exclusion chromatography-High Pressure Liquid Chromatography**

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



**SDS-PAGE**

**Image 3.** Human ICAM-1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .