# ICAM-1 Antibody

Catalog No: #21106

Package Size: #21106-1 50ul #21106-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

## Description

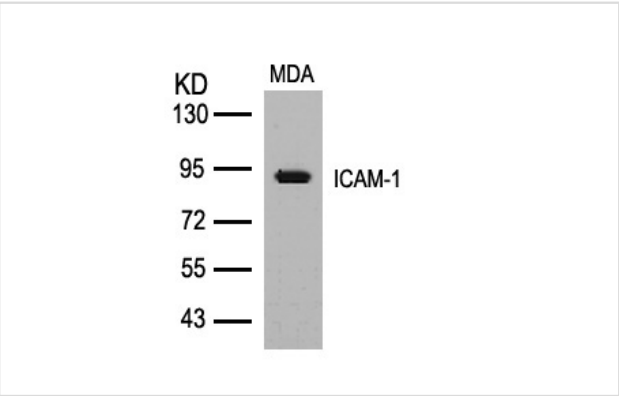
| | |
|---|---|
| Product Name | ICAM-1 Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Purification | Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide. |
| Applications | WB |
| Species Reactivity | Hu |
| Specificity | The antibody detects endogenous level of total ICAM-1 protein. |
| Immunogen Type | Peptide-KLH |
| Immunogen Description | Peptide sequence around aa. 510~514 (K-K-Y-R-L) derived from Human ICAM-1. |
| Target Name | ICAM-1 |
| Other Names | ICA1; ICAM1; |
| Accession No. | Swiss-Prot: P05362NCBI Protein: NP_000192.2 |
| Concentration | 1.0mg/ml |
| Formulation | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Storage | Store at -20°C for long term preservation (recommended). Store at 4°C for short term use. |

## Application Details

Predicted MW: 89 92kd

Western blotting: 1:500~1:1000

## Images




Western blot analysis of extracts from MDA cells using ICAM-1(Ab-512) Antibody #21106.

## Background

ICAM proteins are ligands for the leukocyte adhesion protein LFA-1 (integrin a-L/beta-2). During leukocyte trans-endothelial migration, ICAM1

engagement promotes the assembly of endothelial apical cups through SGEF and RHOG activation. In case of rhinovirus infection acts as a cellular receptor for the virus.
Greenwood J, et al. (2003) J Immunol; 171(4):2099-2108.
Zhou Z, et al. (2005) Eur J Pharmacol; 513(1-2):1-8.
Chen YH, et al. (2001) J Cell Biochem; 82(3):512-521

## Published Papers

Oualid Sbai, Adlane Ould-Yahoui, Lotfi Ferhat el at., Differential vesicular distribution and trafficking of MMP-2, MMP-9, and their inhibitors in astrocytes., Glia, 58(3):344-366(2009)

PMID:19780201

Xi-Jin Wang, Shi Zhang, Zhi-Qiang Yan el at., Impaired CD200η— CCD200R-mediated microglia silencing enhances midbrain dopaminergic neurodegeneration: Roles of aging, superoxide, NADPH oxidase, and p38 MAPK., Free Radical Biology and Medicine, 50(9):1094-1106(2011)

PMID:21295135

Note: This product is for in vitro research use only and is not intended for use in humans or animals.