

ICAM-1(Ab-512) Antibody

Catalog No: #21106

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

Description

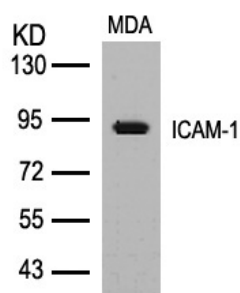
Product Name	ICAM-1(Ab-512) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB
Species Reactivity	Hu
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.
Conjugates	Unconjugated
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 Mg ²⁺ and Ca ²⁺), 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 α -L/ β -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 et al., Impaired CD200 η — 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.