



Catalog: OM638920

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VCAM1

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☐ 100 µl

Product profile

Product name	VCAM1
Antibody Type	Primary Antibodies
Product description	Cell adhesion molecules are a family of closely related cell surface glycoproteins involved in cell-cell interactions during growth and are thought to play an important role in embryogenesis and development. Neuronal cell adhesion molecule (NCAM) expression is observed in a variety of human tumors including neuroblastomas, rhabdomyosarcomas, Wilms' tumors, Ewing's sarcomas and some primitive myeloid malignancies. The intracellular adhesion molecule-1 (ICAM-1), also referred to as CD54, is an integral membrane protein of the immunoglobulin superfamily and recognizes the B2α1 and B2αM integrins. PECAM-1 (platelet/endothelial cell adhesion molecule-1), also referred to as CD31, is a glycoprotein expressed on the cell surfaces of monocytes, neutrophils, platelets and a subpopulation of T cells. VCAM-1 (vascular cell adhesion molecule-1) was first identified as an adhesion molecule induced on human endothelial cells by inflammatory cytokines such as IL-1, tumor necrosis factor (TNF) and lipopolysaccharide (LPS). The KAL1G gene encodes a nerve cell adhesion molecule (NCAM)-like protein and is deleted in 66% of patients with Kallmann's syndrome, anosmia with secondary hypogonadism.
Immunogen	Peptide

Key Feature

Clonality	Polyclonal
Isotype	IgG
Host Species	Rabbit
Tested Applications	WB ,ICC ,IHC ,FC
Species Reactivity	Human Mouse Rat
Concentration	1 mg/mL

Target Information

Alternative Names	CD106 antibody CD106 Antigen antibody INCAM 100 antibody INCAM-100 antibody L1CAM antibody MG C99561 antibody V-CAM 1 antibody Vascular Cell Adhesion Molecule 1 antibody Vascular cell adhesion p
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rotein 1 antibody VCAM 1 antibody VCAM-1 antibody VCAM1 antibody VCAM1_HUMAN antibody

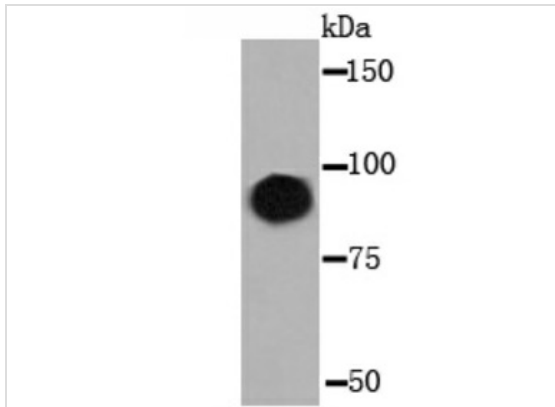
Molecular Weight(MW) 100 kDa

Cellular Localization Membrane.

Database Links

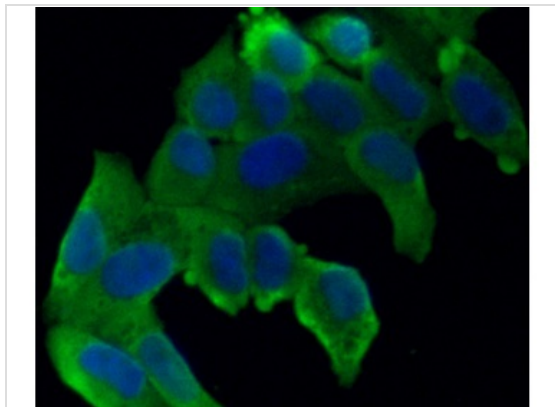
SwissProt ID P19320

Application



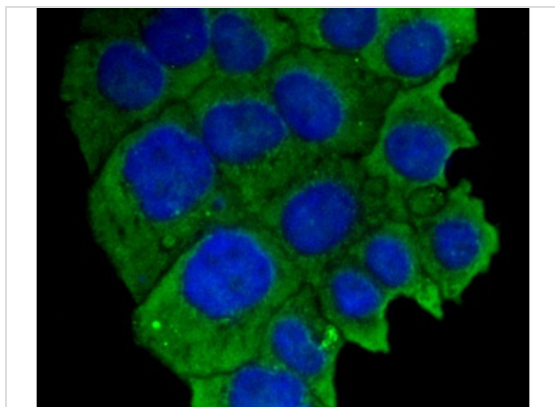
Application

Fig1: Western blot analysis of VCAM1 on human spleen tissue lysate using anti-VCAM1 antibody at 1/5,000 dilution.



Application

Fig2: ICC staining VCAM1 in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

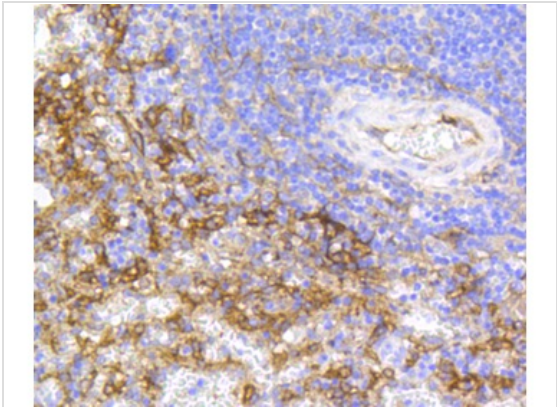
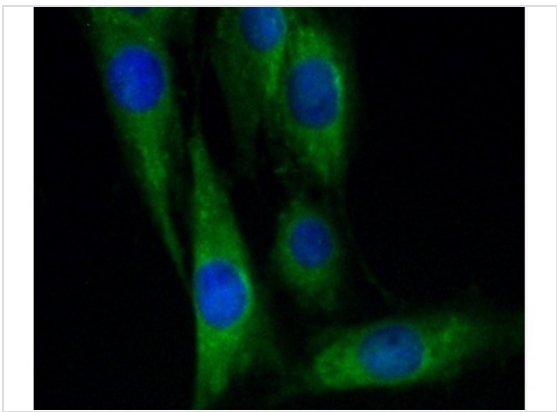


Application

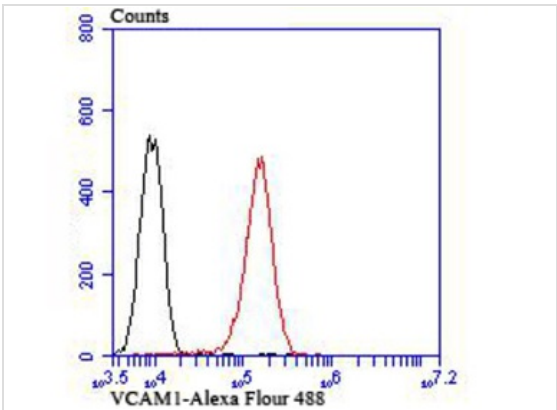
Fig3: ICC staining VCAM1 in JAR cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Application

Fig4: ICC staining VCAM1 in SHG-44 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Application
 Fig5: Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-VCAM1 antibody. Counter stained with hematoxylin.



Application
 Fig6: Flow cytometric analysis of Hela cells with VCAM1 antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black).

Positive Control	Human spleen tissue lysate, Hela,JAR, SHG-44, human spleen tissue, HUVEC.
Application Notes	WB: 1:2,000-1:5,000 ICC: 1:50-1:200 IHC: 1:50-1:200 FC: 1:50-1:100

Additional Information

Form	Liquid
Storage Instructions	Store at +4°Cafter thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage Buffer	1* TBS (pH7.4), 0.5%BSA, 50%Glycerol. Preservative: 0.05% Sodium Azide.
Note	The product is for research use only,not for use in diagnostic or therapeutic procedures.

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This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt

