

ICAM1 Rabbit mAb

Catalog No: #48883



Package Size: #48883-1 50ul #48883-2 100ul

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

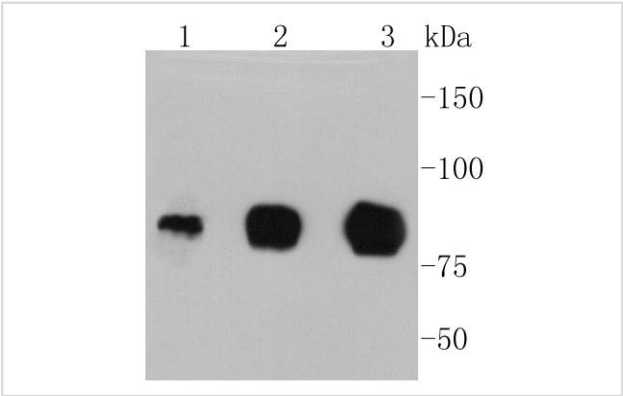
Description

Product Name	ICAM1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	ST0487
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC
Species Reactivity	Hu
Immunogen Description	recombinant protein
Other Names	Antigen identified by monoclonal antibody BB2 antibody BB 2 antibody BB2 antibody CD 54 antibody CD_antigen=CD54 antibody CD54 antibody Cell surface glycoprotein P3.58 antibody Human rhinovirus receptor antibody ICAM 1 antibody ICAM-1 antibody ICAM1 antibody ICAM1_HUMAN antibody intercellular adhesion molecule 1 (CD54), human rhinovirus receptor antibody Intercellular adhesion molecule 1 antibody Major group rhinovirus receptor antibody MALA 2 antibody MALA2 antibody MyD 10 antibody MyD10 antibody P3.58 antibody Surface antigen of activated B cells, BB2 antibody
Accession No.	Swiss-Prot#:P05362
Calculated MW	89 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

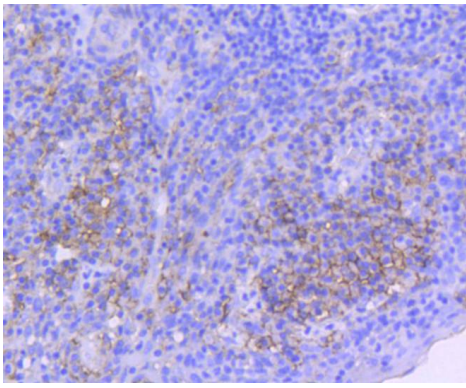
Application Details

WB: 1:1,000-5,000IHC: 1:50-1:200ICC: 1:50-1:200

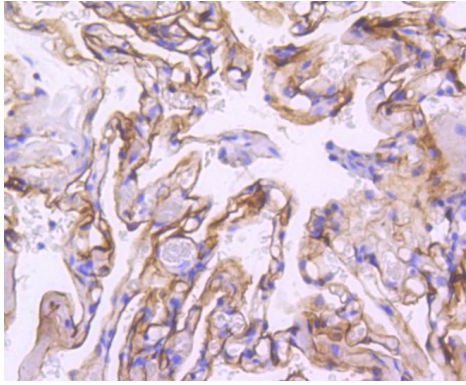
Images



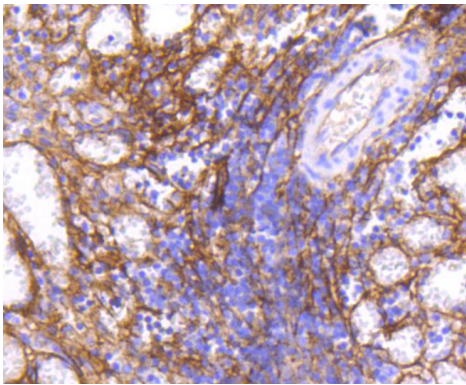
Western blot analysis of ICAM1 on different lysates using anti-ICAM1 antibody at 1/1,000 dilution. Positive control:
Lane 1: Hela Lane 2: HUVEC Lane 3: Raji



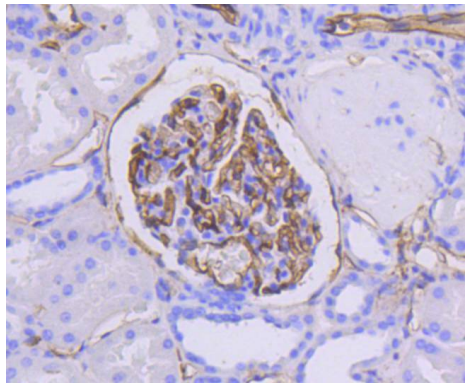
Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-ICAM1 antibody. Counter stained with hematoxylin.



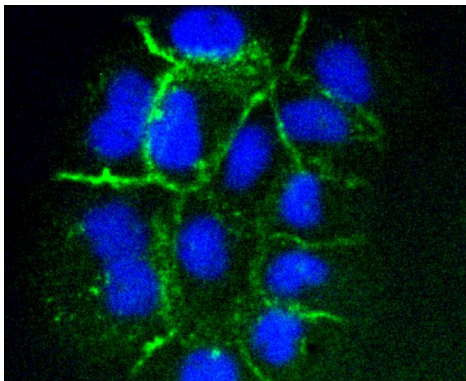
Immunohistochemical analysis of paraffin-embedded human lung tissue using anti-ICAM1 antibody. Counter stained with hematoxylin.



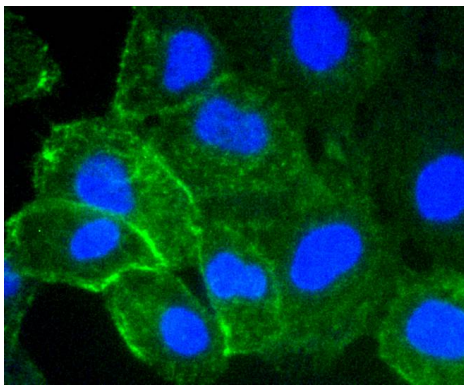
Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-ICAM1 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-ICAM1 antibody. Counter stained with hematoxylin.



ICC staining ICAM1 in A431 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining ICAM1 in HUVEC cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

Cell adhesion molecules (CAMs) are a family of closely related cell surface glycoproteins involved in cell-cell interactions during growth and are thought to play important, yet separate, roles in embryogenesis and development. The intracellular adhesion molecule-1 (ICAM-1), also referred to as CD54, is an integral membrane protein of the immunoglobulin superfamily and recognizes the beta2alpha1 and beta2alphaM Integrins. ICAM-2 functions as a ligand for lymphocyte function-associated antigen-1 (LFA-1) and is involved in leukocyte adhesion. ICAM-3 is highly expressed on the surface of human eosinophils and, when bound to ligand, may inhibit eosinophil inflammatory responses and survival. ICAM-4, also known as LW glycoprotein, interacts with Integrins alphaLbeta2, alphaMbeta2, alpha4beta1, the alphaV family and alphaIIbbeta3, and selective binding to different integrins may be relevant to the pathology in a number of red blood cell associated diseases. Lastly, ICAM-5, expressed on telencephalic neurons, binds CD11a/CD18 and thus may act as an adhesion molecule for leukocyte binding in the central nervous system.

References

1. Grover JR et al. Basic motifs target PSGL-1, CD43, and CD44 to plasma membrane sites where HIV-1 assembles. *J Virol* 89:454-67 (2015).
2. Rouault C et al. Roles of chemokine ligand-2 (CXCL2) and neutrophils in influencing endothelial cell function and inflammation of human adipose tissue. *Endocrinology* 154:1069-79 (2013).

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