



VCAM-1 Rabbit mAb

Catalog No	YP-rAb-17524
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,IP,ELISA
Gene Name	VCAM1 L1CAM
Protein Name	VCAM1
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	IHC 1:500-1:1000; WB 1:2000-1:10000; IF 1:200-1:1000; ELISA 1:5000-1:20000; IP 1:50-1:200; Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15 ° C to -25 ° C/1 year(Do not lower than -25 ° C)
Synonyms	VCAM 1;VCAM1;Vascular cell adhesion protein 1 ; V-CAM 1 ; VCAM-1 ; INCAM-100 ; CD antigen CD106 ;VCAM1 L1CAM
Observed Band	110kD
Calculated Molecular Weight	81kD
Cell Pathway	Membrane; Single-pass type I membrane protein.
Tissue Specificity	Expressed on inflamed vascular endothelium, as well as on macrophage-like and dendritic cell types in both normal and inflamed tissue.
Function	Alternative products:Additional isoforms seem to exist,Disease:May play an important role in the genesis of atherosclerosis and rheumatoid arthritis.,Domain:Either the first or the fourth Ig-like C2-type domain is required for VLA4-dependent cell adhesion.,Function:Important in cell-cell recognition. Appears to function in leukocyte-endothelial cell adhesion. Interacts with the beta-1 integrin VLA4 on leukocytes, and mediates both adhesion and signal transduction. The VCAM1/VLA4 interaction may play a pathophysiologic role both in immune responses and in leukocyte emigration to sites of inflammation.,induction:By cytokines (e.g. IL-1, TNF-alpha),online information:VCAM-1,online information:VCAM1 entry,PTM:Sialoglycoprotein.,similarity:Contains 7 Ig-like C2-type (immunoglobulin-like) domains.,subunit:Binds to ECMV-D capsid proteins and





acts as a receptor for this virus.,tissue specificity:Expressed on inflamed vascular endothelium, as well as on macrophage-like and dendritic cell types in both normal and inflamed tissue.,

Background

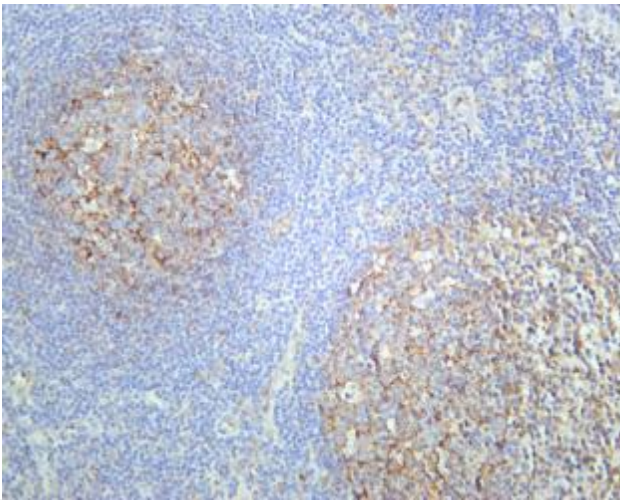
This gene is a member of the Ig superfamily and encodes a cell surface sialoglycoprotein expressed by cytokine-activated endothelium. This type I membrane protein mediates leukocyte-endothelial cell adhesion and signal transduction, and may play a role in the development of atherosclerosis and rheumatoid arthritis. Three alternatively spliced transcripts encoding different isoforms have been described for this gene. [provided by RefSeq, Dec 2010],

matters needing attention

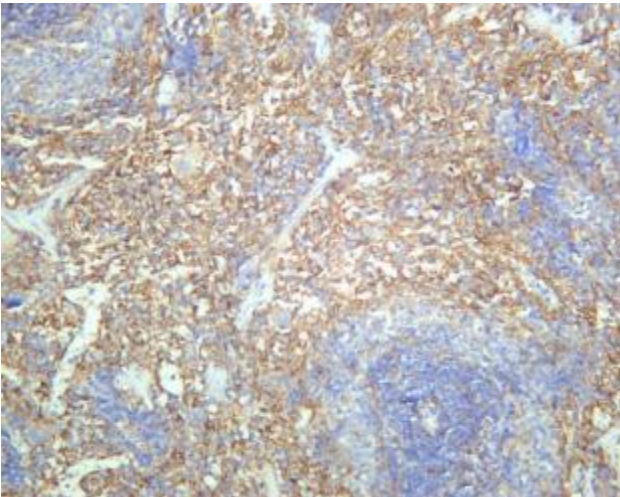
Avoid repeated freezing and thawing!

Usage suggestions

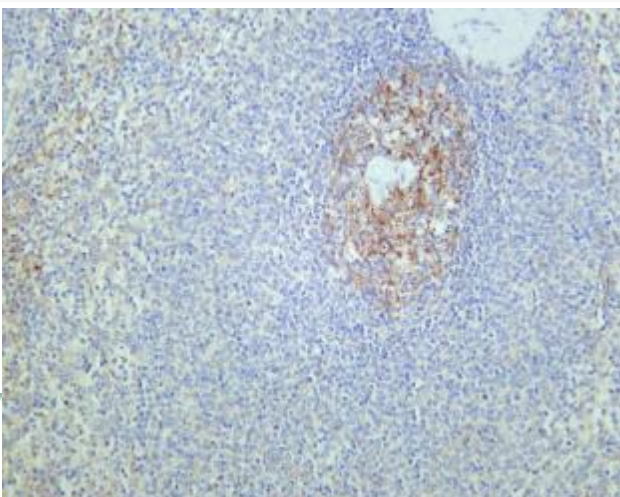
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



Human tonsil was stained with anti-VCAM1 rabbit antibody

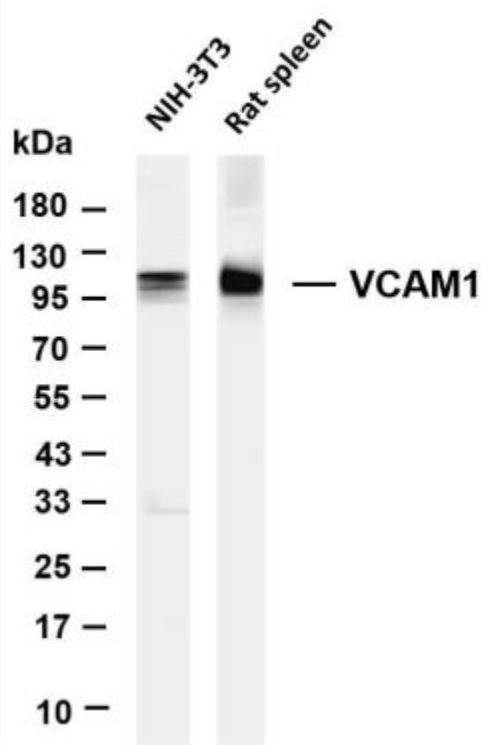


Rat spleen was stained with anti-VCAM1 rabbit antibody



Human spleen was stained with anti-VCAM1 rabbit antibody





Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-VCAM1 antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: NIH-3T3 Lane 2: Rat spleen
Predicted band size: 81kDa Observed band size: 110kDa

