



VCAM1 mouse mAb

Catalog No	YP-mAb-17120
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	VCAM1 L1CAM
Protein Name	VCAM1
Immunogen	Synthesized peptide derived from human VCAM1
Specificity	This antibody detects endogenous levels of Human VCAM1
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Vascular cell adhesion protein 1 (V-CAM 1;VCAM-1;INCAM-100;CD antigen CD106)
Calculated Molecular Weight	81kDa
Observed Band	100kDa
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 specificit



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.

Products Images

