

## VCAM1 rabbit pAb

<b>Catalog No :</b>	YT7815
<b>Reactivity :</b>	Human;Rat;Mouse;
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	VCAM-1
<b>Fields :</b>	>>NF-kappa B signaling pathway;>>Cell adhesion molecules;>>TNF signaling pathway;>>Leukocyte transendothelial migration;>>AGE-RAGE signaling pathway in diabetic complications;>>African trypanosomiasis;>>Malaria;>>Lipid and atherosclerosis;>>Fluid shear stress and atherosclerosis
<b>Gene Name :</b>	VCAM1 L1CAM
<b>Protein Name :</b>	VCAM1
<b>Human Gene Id :</b>	7412
<b>Human Swiss Prot No :</b>	P19320
<b>Mouse Gene Id :</b>	22329
<b>Mouse Swiss Prot No :</b>	P29533
<b>Rat Gene Id :</b>	25361
<b>Rat Swiss Prot No :</b>	P29534
<b>Immunogen :</b>	Synthesized peptide derived from human VCAM1
<b>Specificity :</b>	This antibody detects endogenous levels of Human VCAM1
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:1000-2000 ELISA 1:5000-20000

<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	81kD
<b>Background :</b>	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],
<b>Function :</b>	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
<b>Subcellular Location :</b>	Membrane; Single-pass type I membrane protein.
<b>Expression :</b>	Expressed on inflamed vascular endothelium, as well as on macrophage-like and dendritic cell types in both normal and inflamed tissue.
<b>Tag :</b>	hot
<b>Sort :</b>	24100
<b>No4 :</b>	1
<b>Host :</b>	Rabbit
<b>Modifications :</b>	Unmodified

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