

Rabbit VCAM1 Polyclonal Antibody | anti-VCAM1 antibody

VCAM1 Antibody

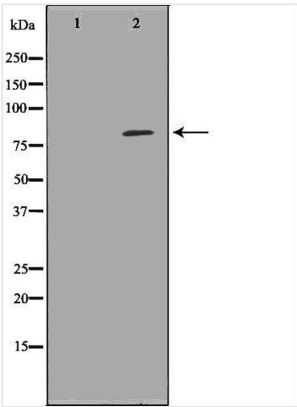
CATALOG # AAA325878	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

VCAM1; Polyclonal Antibody; VCAM1 Antibody; CD106; CD106 Antigen; INCAM 100; INCAM-100; L1CAM; MGC99561; V-CAM 1; Vascular Cell Adhesion Molecule 1; Vascular cell adhesion protein 1; VCAM 1; VCAM-1; VCAM1_HUMAN; anti-VCAM1 antibody

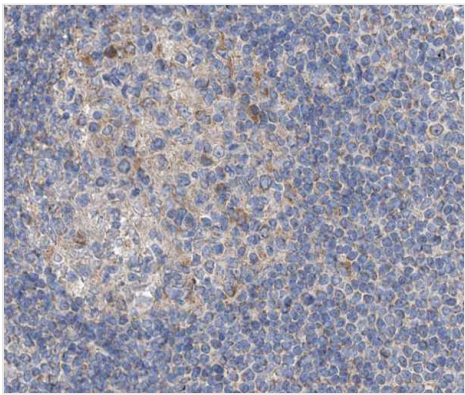
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	VCAM1 antibody detects endogenous levels of total VCAM1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	739
Applicable Applications for anti-VCAM1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human VCAM1
Subcellular Location	Membrane.
Tissue Specificity	Expressed on inflamed vascular endothelium, as well as on macrophage-like and dendritic cell types in both normal and inflamed tissue.
Predicted Cross Reactivity	Pig, Bovine, Horse, Rabbit, Dog
Similarity	Pig (82%), Bovine (82%), Horse (100%), Rabbit (91%), Dog (82%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



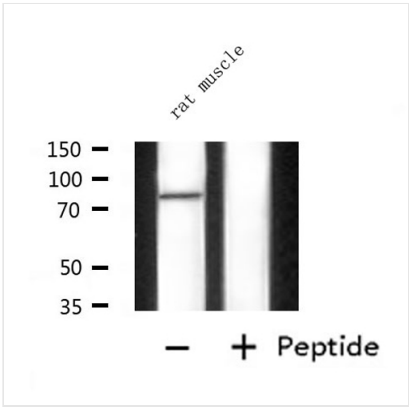
WB (Western Blot)

Western blot analysis of extracts of mouse brain tissue, using VCAM1 Antibody. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA325878 at 1/100 staining human Lymph node tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of extracts from rat muscle, using VCAM1 Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-VCAM1 antibody

Description: Vascular cell adhesion protein 1 (VCAM1) is important in cell-cell recognition. It has been reported to function in leukocyte-endothelial cell adhesion, interact with the beta-1 integrin VLA4 on leukocytes, and mediate both adhesion and signal transduction. There are two isoforms; Isoform 1, a single-pass type I membrane protein, and isoform 2, a lipid-anchor (GPI-anchor). VCAM1 is expressed on inflamed vascular endothelium, as well as on macrophage-like and dendritic cell types in both normal and inflamed tissue. It is also expressed in the bone marrow (1).

Function: Important in cell-cell recognition. Appears to function in leukocyte-endothelial cell adhesion. Interacts with integrin alpha-4/beta-1 (ITGA4/ITGB1) on leukocytes, and mediates both adhesion and signal transduction. The VCAM1/ITGA4/ITGB1 interaction may play a pathophysiologic role both in immune responses and in leukocyte emigration to sites of inflammation.

Subunit Structure: Binds to ECMV-D capsid proteins and acts as a receptor for this virus.

Post-translational Modifications: Sialoglycoprotein.

Similarity: Either the first or the fourth Ig-like C2-type domain is required for VLA4-dependent cell adhesion.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507875
NCBI GeneID	7412
NCBI Accession #	NP_001069.1
NCBI GenBank Nucleotide #	NM_001078.3

UniProt Accession #	P19320 ; Q6NUP8 ; A8K6R7 ; B4DKS4 ; E9PDD1
Molecular Weight	Observed: 81 kDa Predicted: 82 kDa
NCBI Official Full Name	vascular cell adhesion protein 1 isoform a
NCBI Official Synonym Full Names	vascular cell adhesion molecule 1
NCBI Official Symbol	VCAM1
NCBI Official Synonym Symbols	CD106; INCAM-100
NCBI Protein Information	vascular cell adhesion protein 1
UniProt Protein Name	Vascular cell adhesion protein 1
UniProt Gene Name	VCAM1
UniProt Synonym Gene Names	V-CAM 1; VCAM-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/vcam1-antibody-immunohistochemistry-western-blot-elisa/325878>