

For Research Use Only

VCAM-1/CD106 Recombinant antibody

Catalog Number: 83719-1-RR



Basic Information

Catalog Number: 83719-1-RR	GenBank Accession Number: CAA47989.1	Purification Method: Protein A purification
Concentration: 1000 ug/ml	GeneID (NCBI): 22329	CloneNo.: 240597B2
Source: Rabbit	UNIPROT ID: P29533	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:500-1:2000
Isotype: IgG	Full Name: vascular cell adhesion molecule 1	
	Calculated MW: 81 kDa	
	Observed MW: 90 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: mouse	WB : 3T3-L1 cells, IHC : mouse spleen tissue,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

Vascular cell adhesion molecule 1 (VCAM1), also known as CD106, is a 110-kDa transmembrane glycoprotein belonging to the immunoglobulin gene superfamily. VCAM1 is expressed by cytokine-activated endothelium, interacts with integrin VLA4 ($\alpha 4 \beta 1$) present on the surface of leukocytes, and mediates both adhesion and signal transduction. It is also expressed either constitutively or inducibly in a variety of other cell types, including vascular smooth muscle cells, differentiating skeletal muscle cells, renal and neural epithelial cells, macrophages (Kupffer cells), dendritic cells, and bone marrow stromal cells (PMID: 7507076, 11359843).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

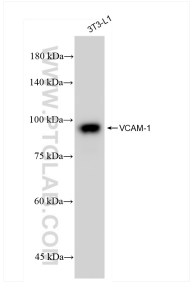
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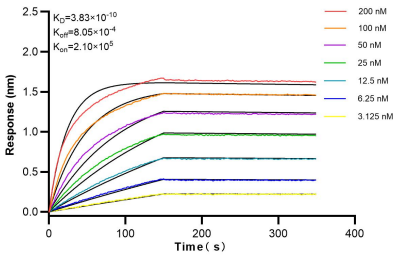
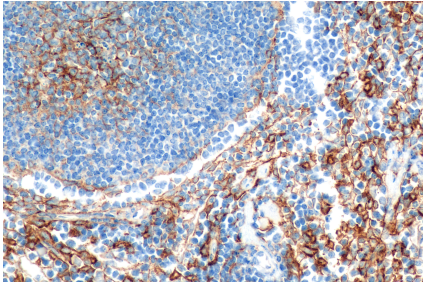
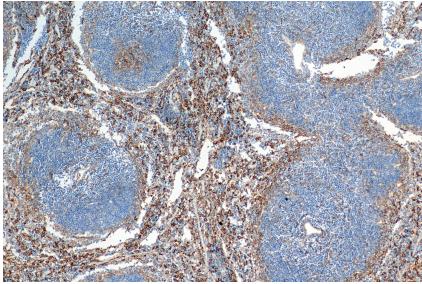
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Selected Validation Data



3T3-L1 cells were subjected to SDS PAGE followed by western blot with 83719-1-RR (VCAM-1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 83719-1-RR against Mouse VCAM-1 were performed. The affinity constant is 0.383 nM.