

For Research Use Only

Anti-Mouse VCAM-1/CD106 Rabbit Recombinant Antibody

Catalog Number: 98059-1-RR



Basic Information

Catalog Number: 98059-1-RR	GenBank Accession Number: CAA47989.1	Purification Method: Protein A purification
Size: 100ug, 1000 ug/ml	GeneID (NCBI): 22329	CloneNo.: 240597C2
Source: Rabbit	UNIPROT ID: P29533	
Isotype: IgG	Full Name: vascular cell adhesion molecule 1	
	Calculated MW: 81 kDa	

Applications

Tested Applications:
FC

Species Specificity:
mouse

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 2 - 8°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.09% sodium azide, pH 7.3.

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

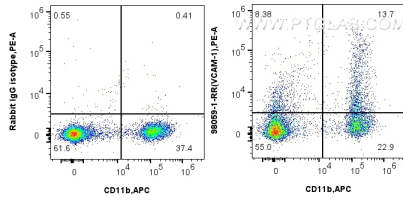
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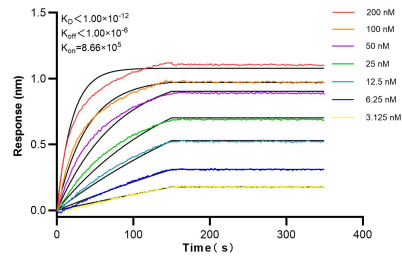
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Selected Validation Data



1x10⁶ mouse bone marrow cells were surface stained with 0.25 ug Anti-Mouse VCAM-1/CD106 Rabbit Recombinant Antibody (98059-1-RR, Clone:240597C2) or 0.25 ug Isotype Control and PE-conjugated Goat Anti-Rabbit IgG. Cells were then stained with APC Anti-Mouse CD11b. Cells were not fixed.



Biolayer interferometry (BLI) kinetic assays of 98059-1-RR against Mouse VCAM-1/CD106 were performed. The affinity constant is below 1 pM.