

For Research Use Only

# Anti-Mouse VCAM-1/CD106 Rabbit Recombinant Antibody, PBS Only

Catalog Number:98059-1-PBS



## Basic Information

<b>Catalog Number:</b> 98059-1-PBS	<b>GenBank Accession Number:</b> CAA47989.1	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1mg, 2mg/ml	<b>GeneID (NCBI):</b> 22329	<b>CloneNo.:</b> 240597C2
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P29533	
<b>Isotype:</b> IgG	<b>Full Name:</b> vascular cell adhesion molecule 1	
	<b>Calculated MW:</b> 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  $-80^{\circ}\text{C}$ .  
**The product is shipped with ice packs. Upon receipt, store it immediately at  $-80^{\circ}\text{C}$**

**Storage Buffer:**  
PBS Only

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

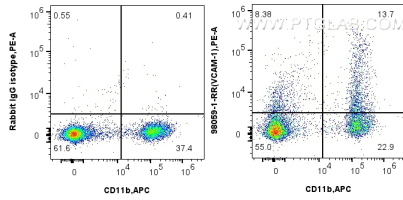
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

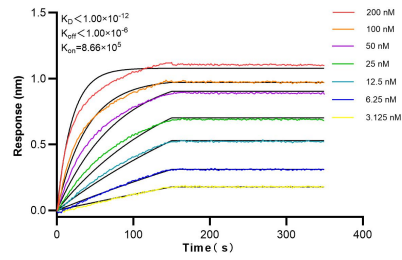
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



1x10<sup>6</sup> 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. This data was developed using the same antibody clone with 98059-1-PBS in a different storage buffer formulation.



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