

For Research Use Only

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

Catalog Number:98059-1-PBS



Basic Information

Catalog Number:

98059-1-PBS

Size:

1mg , 2mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

CAA47989.1

GeneID (NCBI):

22329

UNIPROT ID:

P29533

Full Name:

vascular cell adhesion molecule 1

Calculated MW:

81 kDa

Purification Method:

Protein A purification

CloneNo.:

240597C2

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°C .

Storage Buffer:

PBS Only

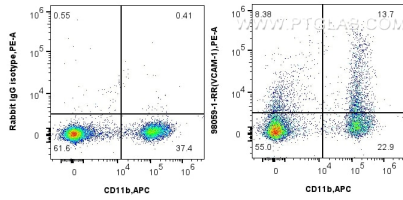
For technical support and original validation data for this product please contact:

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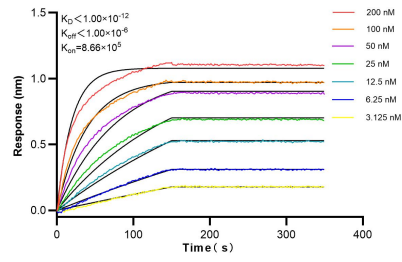
E: proteintech@ptglab.com
W: ptglab.com

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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. 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.