

For Research Use Only

FITC Plus Anti-Mouse VCAM-1/CD106 Rabbit Recombinant Antibody

Catalog Number: FITC-98059



Basic Information

Catalog Number: FITC-98059	GenBank Accession Number: CAA47989.1	Purification Method: Protein A purification
Concentration: 100ug, 500 ug/ml	GeneID (NCBI): 22329	CloneNo.: 240597C2
Source: Rabbit	UNIPROT ID: P29533	Recommended Dilutions: FC: 0.25 ug per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: vascular cell adhesion molecule 1	Excitation/Emission maxima wavelengths: 495 nm / 524 nm
Immunogen Catalog Number: EG0639	Calculated MW: 81 kDa	

Applications

Tested Applications: FC	Positive Controls: FC : mouse bone marrow cells,
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 (α₄β₁) 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. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide, pH7.3

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

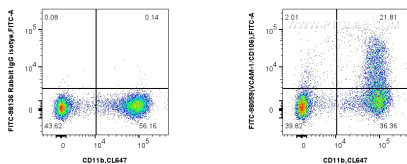
T: 4006900926

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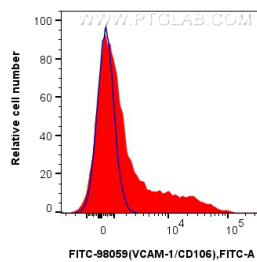
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Selected Validation Data



1x10⁶ mouse bone marrow cells were surface stained with CoraLite® Plus 750 Anti-Mouse CD11b, and 0.25 ug FITC Anti-Mouse VCAM-1/CD106 Rabbit RecAb (FITC-98059, Clone: 240597C2) or FITC Rabbit IgG Isotype Control RecAb (FITC-98136, Clone: 240953C9). Cells were not fixed.



1x10⁶ mouse bone marrow cells were surface stained with 0.25 ug FITC Plus Anti-Mouse VCAM-1/CD106 Rabbit RecAb (FITC-98059, Clone: 240597C2) (red) or 0.25 ug FITC Plus Rabbit IgG Isotype Control RecAb (FITC-98136, Clone: 240953C9) (blue). Cells were not fixed.