For Research Use Only

FcZero-rAb® CoraLite® Plus 647 Anti-Mouse VCAM-1/CD106 Rabbit Recombinant Antibody

Catalog Number:CL647-FcA98059

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
CL647-FcA98059

Concentration:
100ug, 500 ug/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
EG0639

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

Recommended Dilutions:
FC: 0.25 ug per 10^6 cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:
654 nm / 674 nm

Applications

Tested Applications:
FC

Species Specificity:
mouse

Positive Controls:

FC : mouse bone marrow cells,

Background Information

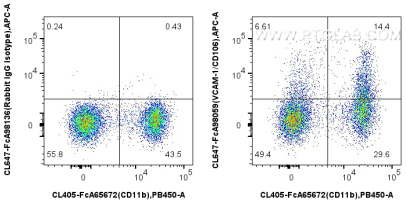
Vascular cell adhesion molecule 1 (VCAM1), also known as CD106, is a 110-kDa transmembrane glycoprotein belonging to the immunoglobulin gene superfamily. VCAM1 is expressed by cytokine-activated endothelium, interacts with integrin VLA4 (α 4 β 1) present on the surface of leukocytes, and mediates both 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

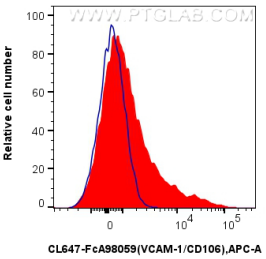
Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide, pH7.3

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10^6 mouse bone marrow cells were surface stained with CoraLite® Plus 405 Anti-Mouse CD11b (M1/70), and 0.25 ug CoraLite® Plus 647 Anti-Mouse VCAM-1/CD106 Rabbit RecAb (CL647-FcA98059, Clone: 240597C2) or 0.25 ug FcZero-rAb® CoraLite® Plus 647 Rabbit IgG Isotype Control Recombinant Antibody (CL647-FcA98136, Clone: 240953C9). Cells were not fixed.



1x10^6 mouse bone marrow cells were surface stained with 0.25 ug CoraLite® Plus 647 Anti-Mouse VCAM-1/CD106 Rabbit RecAb (CL647-FcA98059, Clone: 240597C2)(red) or 0.25 ug FcZero-rAb® CoraLite® Plus 647 Rabbit IgG Isotype Control Recombinant Antibody (CL647-FcA98136, Clone: 240953C9) (blue). Cells were not fixed.