

For Research Use Only

PE Anti-Human VCAM-1/CD106 (1.G11B1)

Catalog Number: PE-65049

1 Publications



Basic Information

Catalog Number:

PE-65049

Concentration:

100 tests, 10 µl/test

Source:

Mouse

Isotype:

IgG1, kappa

GenBank Accession Number:

BC017276

GeneID (NCBI):

7412

UNIPROT ID:

P19320

Full Name:

vascular cell adhesion molecule 1

Calculated MW:

739 aa, 81 kDa

Purification Method:

Affinity purification

CloneNo.:

1.G11B1

Recommended Dilutions:

FC: 10 µl per 10⁶ cells in 100 µl suspension

Excitation/Emission maximum wavelengths:

496 nm, 565 nm / 578 nm

Applications

Tested Applications:

FC

Cited Applications:

FC

Species Specificity:

human

Cited Species:

human

Positive Controls:

FC : HUVEC 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 (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).

Notable Publications

Author	Pubmed ID	Journal	Application
Qiuyi Wang	39542189	J Ethnopharmacol	FC

Storage

Storage:

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.1% sodium azide and a stabilizer, pH7.3

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

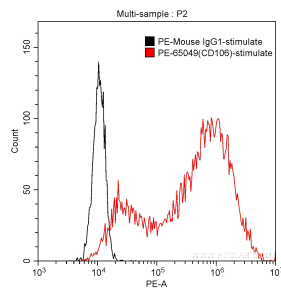
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ TNF- α stimulated HUVEC cells were surface stained with 10 μ l PE Anti-Human CD106 (PE-65049, Clone:1G1B1) (red) or PE-mouse IgG1 isotype control (black). Cells were not fixed.