

For Research Use Only

FITC Anti-Human CD106 (1.G11B1)

Catalog Number: FITC-65049

1 Publications



Basic Information

Catalog Number:

FITC-65049

Size:

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 maxima wavelengths:

498 nm / 526 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
Bairong Fang	36786974	J Physiol Biochem	FC

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

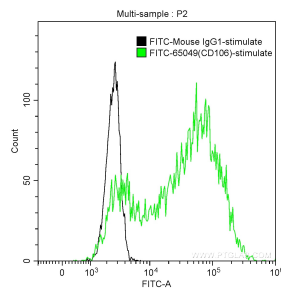
For technical support and original validation data for this product please contact:

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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-alpha treated HUVEC cells were surface stained with 10 ul FITC Anti-Human CD106 (FITC-65049, Clone: 1.G11B1) (green) or FITC-Mouse IgG1 isotype control (black). Cells were not fixed.