For Research Use Only

VCAM-1/CD106 Recombinant monoclonal antibody

Catalog Number:86797-1-RR

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Basic Information

Catalog Number:
86797-1-RR

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
EG3821

GenBank Accession Number:
NM_012889.1

GeneID (NCBI):
25361

UNIPROT ID:
P29534

Full Name:
vascular cell adhesion molecule 1

Calculated MW:
81 kDa

Observed MW:
100-110 kDa

Purification Method:
Protein A purification

CloneNo.:
251266C11

Recommended Dilutions:
WB: 1:5000-1:50000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
mouse, rat

Positive Controls:

WB : rat brain tissue, mouse brain tissue, rat spleen tissue, mouse spleen tissue

Background Information

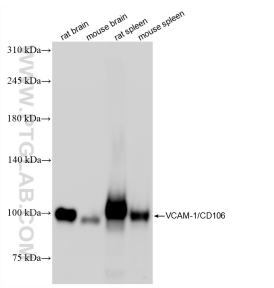
Vascular cell adhesion molecule 1 (VCAM1), also known as CD106, is a 110-kDa transmembrane glycoprotein belonging to the immunoglobulin gene superfamily. VCAM1 is expressed by cytokine-activated endothelium, interacts with integrin VLA4 (α 4 β 1) present on the surface of leukocytes, and mediates both 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 -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

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

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86797-1-RR (Vcam1/CD106 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.