

For Research Use Only

Recombinant Rat VCAM-1/CD106 protein (rFc Tag)

Catalog Number: Eg3821



Basic Information

Species:
Rat

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/μg protein, LAL method

Source:

HEK293-derived Rat Vcam1 protein Phe25-Glu698 (Accession# P29534) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

25361

Accession:

P29534

Predicted Molecular Mass:

100.5 kDa

SDS-PAGE:

100-130 kDa, reducing (R) conditions

Formulation:

Lyophilized from 0.22 μm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

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.

References

1. Cybulsky MI. et al. (1993) Genomics. 18(2):387-91.
2. Tu Z. et al. (2001) J Immunol. 166(11):6839-46.

Synonyms

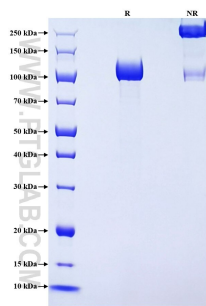
CD106, Soluble Vascular Cell Adhesion Molecule-1, Vascular cell adhesion protein 1, V-CAM 1, Vcam1

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

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Selected Validation Data



Purity of Recombinant Rat Vcam1 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.