

VCAM1 Rabbit mAb

Catalog # AP74998

Specification

VCAM1 Rabbit mAb - Product Information

Application WB, IP
Primary Accession P29533
Reactivity Mouse
Host Rabbit

Clonality Monoclonal Antibody

Calculated MW 81317

VCAM1 Rabbit mAb - Additional Information

Other Names

Vcam1

Dilution

WB~~1/500-1/1000

IP~~N/A

Format

50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.

Storage

Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

VCAM1 Rabbit mAb - Protein Information

Name Vcam1

Synonyms Vcam-1

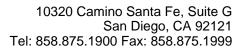
Function

Cell adhesion glycoprotein predominantly expressed on the surface of endothelial cells that plays an important role in immune surveillance and inflammation. Acts as a major regulator of leukocyte adhesion to the endothelium through interaction with different types of integrins. During inflammatory responses, binds ligands on the surface of activated endothelial cells to initiate the activation of calcium channels and the plasma membrane-associated small GTPase RAC1 leading to leukocyte transendothelial migration. Also serves as a quality- control checkpoint for entry into bone marrow by providing a 'don't- eat-me' stamping in the context of major histocompatibility complex (MHC) class-I presentation.

Cellular Location

[Vascular cell adhesion protein 1]: Cell membrane {ECO:0000250|UniProtKB:P19320}; Single-pass type I membrane protein {ECO:0000250|UniProtKB:P19320}

Tissue Location





Expressed on inflamed vascular endothelium, as well as on macrophage-like and dendritic cell types in both normal and inflamed tissue. Expressed in the bone marrow

VCAM1 Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- <u>Immunofluorescence</u>
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

VCAM1 Rabbit mAb - Images

