

VCAM1 Antibody (internal region)
Peptide-affinity purified goat antibody
Catalog # AF3965a

Specification

VCAM1 Antibody (internal region) - Product Information

Application	WB
Primary Accession	P19320
Other Accession	NP_001069.1 , NP_001186763.1 , 7412
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	81276

VCAM1 Antibody (internal region) - Additional Information

Gene ID 7412

Other Names

Vascular cell adhesion protein 1, V-CAM 1, VCAM-1, INCAM-100, CD106, VCAM1, L1CAM

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

VCAM1 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

VCAM1 Antibody (internal region) - Protein Information

Name VCAM1

Function

Cell adhesion glycoprotein predominantly expressed on the surface of endothelial cells that plays an important role in immune surveillance and inflammation (PubMed:31310649). Acts as a major regulator of leukocyte adhesion to the endothelium through interaction with different types of integrins (PubMed:10209034). 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

(PubMed:22970700). Serves also 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 (PubMed:35210567).

Cellular Location

[Vascular cell adhesion protein 1]: Cell membrane; Single-pass type I membrane protein

Tissue Location

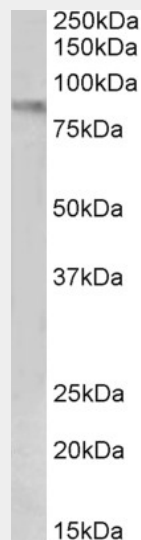
Expressed on inflamed vascular endothelium, as well as on macrophage-like and dendritic cell types in both normal and inflamed tissue

VCAM1 Antibody (internal region) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

VCAM1 Antibody (internal region) - Images



AF3965a (1 µg/ml) staining of Human Uterus lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

VCAM1 Antibody (internal region) - Background

This antibody is expected to recognize isoform a (NP_001069.1) and isoform c (NP_001186763.1).

VCAM1 Antibody (internal region) - References

VCAM-1 promotes osteolytic expansion of indolent bone micrometastasis of breast cancer by

engaging τ -positive osteoclast progenitors. Lu X, Mu E, Wei Y, Riethdorf S, Yang Q, Yuan M, Yan J, Hua Y, Tiede BJ, Lu X, Haffty BG, Pantel K, Massagué J, Kang Y. *Cancer Cell*. 2011 Dec 13;20(6):701-14. PMID: 22137794