

**Anti-VCAM1/Cd106 Rabbit Monoclonal Antibody**  
**Catalog # ABO13637****Specification**

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**Anti-VCAM1/Cd106 Rabbit Monoclonal Antibody - Product Information**

Application	WB, IHC, IF, ICC, IP, FC
Primary Accession	<a href="#">P19320</a>
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

**Description**

Anti-VCAM1/Cd106 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.

**Anti-VCAM1/Cd106 Rabbit Monoclonal Antibody - Additional Information**

**Gene ID** 7412

**Other Names**

Vascular cell adhesion protein 1, V-CAM 1, VCAM-1, INCAM-100, CD106, Soluble Vascular Cell Adhesion Molecule-1, VCAM1

**Calculated MW**

81276 MW KDa

**Application Details**

WB 1:500-1:2000<br>IHC 1:50-1:200<br>ICC/IF 1:50-1:200<br>IP 1:20<br>FC 1:50

**Subcellular Localization**

Membrane; Single-pass type I membrane protein.

**Tissue Specificity**

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

**Contents**

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

**Immunogen**

A synthesized peptide derived from human VCAM1

**Purification**

Affinity-chromatography

**Storage**

**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for**

**up to one month. Avoid repeated  
freeze-thaw cycles.**

## **Anti-VCAM1/Cd106 Rabbit Monoclonal Antibody - 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:<a href="http://www.uniprot.org/citations/31310649" target="\_blank">31310649</a>). Acts as a major regulator of leukocyte adhesion to the endothelium through interaction with different types of integrins (PubMed:<a href="http://www.uniprot.org/citations/10209034" target="\_blank">10209034</a>). 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:<a href="http://www.uniprot.org/citations/22970700" target="\_blank">22970700</a>). 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 (PubMed:<a href="http://www.uniprot.org/citations/35210567" target="\_blank">35210567</a>).

### **Cellular Location**

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

### **Tissue Location**

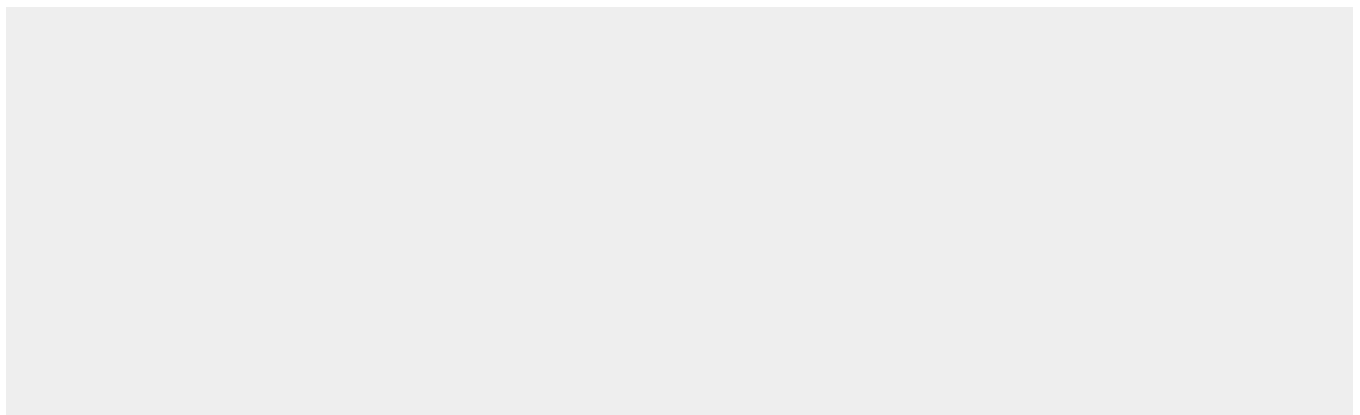
Expressed on inflamed vascular endothelium, as well as on macrophage-like and dendritic cell types in both normal and inflamed tissue

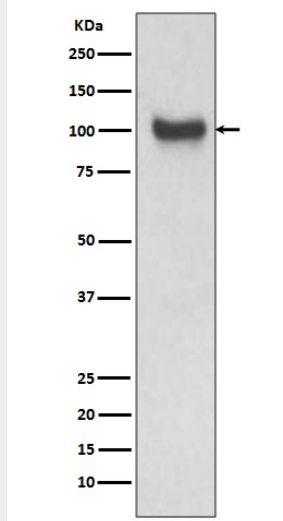
## **Anti-VCAM1/Cd106 Rabbit Monoclonal Antibody - Protocols**

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

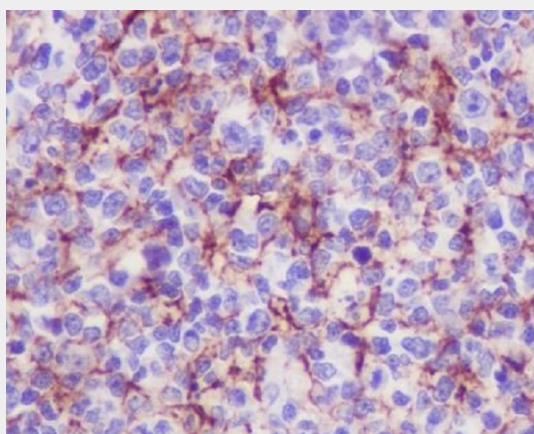
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## **Anti-VCAM1/Cd106 Rabbit Monoclonal Antibody - Images**

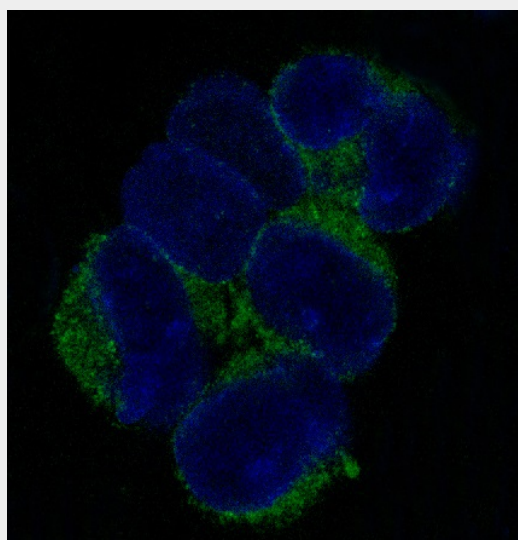




Western blot analysis of VCAM1 expression in Mouse kidney lysate.



Immunohistochemical analysis of paraffin-embedded human tonsil, using VCAM1 Antibody.



Immunofluorescent analysis of K562 cells, using VCAM1 Antibody.