

Anti-VCAM1/Cd106 Rabbit Monoclonal Antibody

Catalog # ABO13637

Product Information

Application	WB, IHC, IF, ICC, IP, FC
Primary Accession	P19320
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.

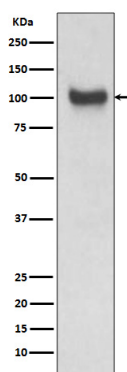
Additional Information

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
Application Details	WB 1:500-1:2000 IHC 1:50-1:200 ICC/IF 1:50-1:200 IP 1:20 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.
Source	Eukaryota
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.
Clone Names	Clone: DCA-22
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.

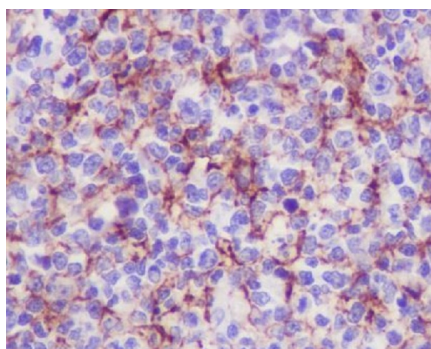
Protein Information

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). 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: 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

Images

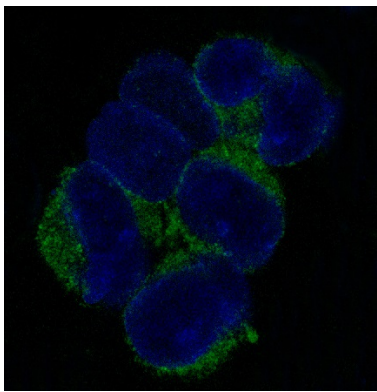


Western blot analysis of VCAM1 expression in Mouse kidney lysate.



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

Immunofluorescent analysis of K562 cells, using VCAM1 Antibody.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.