

Anti-VCAM1 / CD106 Reference Antibody (Hanwha patent anti-VCAM-1)

Recombinant Antibody Catalog # APR11069

Specification

Anti-VCAM1 / CD106 Reference Antibody (Hanwha patent anti-VCAM-1) - Product Information

Application Primary Accession Reactivity Clonality Isotype Calculated MW FC, E, FTA <u>P19320</u> Rat, Pig, Human, Mouse Monoclonal IgG2SA 143.4 KDa

Anti-VCAM1 / CD106 Reference Antibody (Hanwha patent anti-VCAM-1) - Additional Information

Target/Specificity VCAM1 / CD106

Endotoxin < 0.001EU/ μg,determined by LAL method.

Conjugation Unconjugated

Expression system CHO Cell

Format

Purified monoclonal antibody supplied in PBS, pH6.0, without preservative. This antibody is purified through a protein A column.

Anti-VCAM1 / CD106 Reference Antibody (Hanwha patent anti-VCAM-1) - 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'teat-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

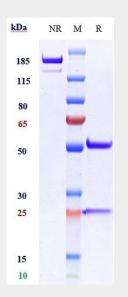
Expressed on inflamed vascular endothelium, as well as on macrophage-like and dendritic cell types in both normal and inflamed tissue

Anti-VCAM1 / CD106 Reference Antibody (Hanwha patent anti-VCAM-1) - Protocols

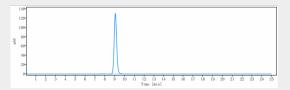
Provided below are standard protocols that you may find useful for product applications.

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

Anti-VCAM1 / CD106 Reference Antibody (Hanwha patent anti-VCAM-1) - Images



Anti-VCAM1 / CD106 Reference Antibody (Hanwha patent anti-VCAM-1) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%



The purity of Anti-VCAM1 / CD106 Reference Antibody (Hanwha patent anti-VCAM-1)is more than



95% ,determined by SEC-HPLC.