

Datasheet for ABIN969452

anti-VCAM1 antibody

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Overview

Quantity:	100 µL
Target:	VCAM1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This VCAM1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Purified recombinant fragment of human VCAM1 expressed in E. coli.
Clone:	6G9
Isotype:	IgG1
Purification:	purified

Target Details

Target:	VCAM1
Alternative Name:	VCAM1 (VCAM1 Products)
Background:	Description: This gene is a member of the Ig superfamily and encodes a cell surface sialoglycoprotein expressed by cytokine-activated endothelium. This type I membrane protein mediates leukocyte-endothelial cell adhesion and signal transduction, and may play a role in the development of atherosclerosis and rheumatoid arthritis. Two alternatively spliced transcripts

Target Details

encoding different isoforms have been described for this gene. Tissue specificity: Expressed on inflamed vascular endothelium, as well as on macrophage-like and dendritic cell types in both normal and inflamed tissue. INVITROGEN: CD106 is expressed on bone marrow stromal cells, myeloid cells, and endothelial cells.

Aliases: CD106, MGC99561, INCAM-100, DKFZp779G2333, VCAM1

Molecular Weight: 81 kDa

Gene ID: 7412

HGNC: 7412

Pathways: [Carbohydrate Homeostasis](#)

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Ascitic fluid containing 0.03 % sodium azide.

Preservative: Sodium azide

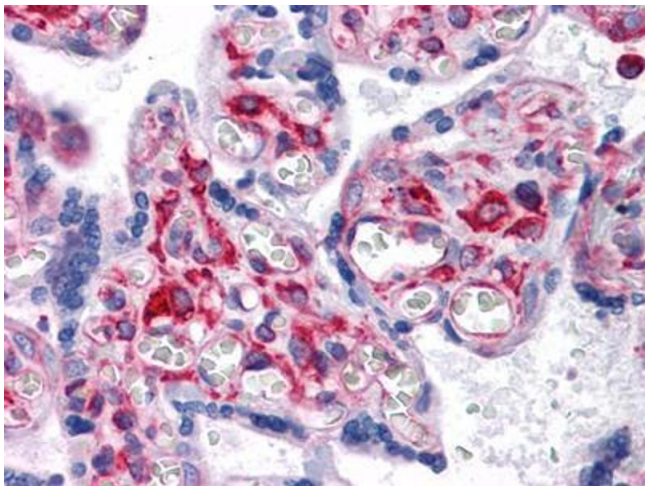
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage

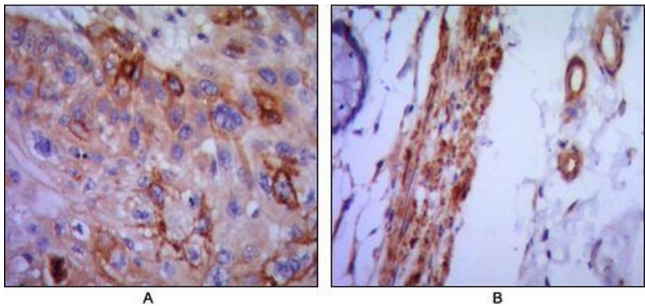
Publications

Product cited in: Jacques, Pereira, Maia, Cuzzi, Ramos-e-Silva: "Expression of cytokeratins 10, 13, 14 and 19 in oral lichen planus." in: **Journal of oral science**, Vol. 51, Issue 3, pp. 355-65, (2009) ([PubMed](#)).



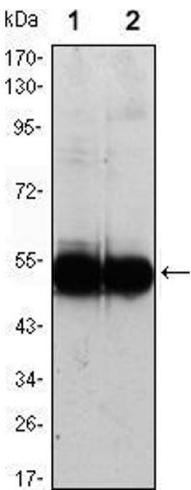
Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded human Placenta tissues using VCAM1 mouse mAb



Immunohistochemistry

Image 2. Immunohistochemical analysis of paraffin-embedded human lung cancer (A) and colon cancer (B) using VCAM1 mouse mAb with DAB staining.



Western Blotting

Image 3. Western blot analysis using VCAM1 mouse mAb against HUVEC (1) and EC (2) cell lysate.