

ARG20963 anti-CD106 / VCAM1 antibody [1.G11B1] (FITC)

Package: 50 tests

Store at: 4°C

Summary

Product Description	FITC-conjugated Mouse Monoclonal antibody [1.G11B1] recognizes CD106 / VCAM1
Tested Reactivity	Hu, Pig
Tested Application	BL, FACS, ICC/IF, IHC-Fr, WB
Specificity	Human/Porcine CD106. The clone 1.G11B1 inhibits in vitro binding of lymphocytes and monocytes to VCAM-1 on stimulated endothelium.
Host	Mouse
Clonality	Monoclonal
Clone	1.G11B1
Isotype	IgG1, kappa
Target Name	CD106 / VCAM1
Antigen Species	Human
Conjugation	FITC
Alternate Names	CD106; INCAM-100; Vascular cell adhesion protein 1; VCAM-1; CD antigen CD106; V-CAM 1

Application Instructions

Application table	Application	Dilution
	BL	Assay-dependent
	FACS	10 µl/10 ⁶ cells
	ICC/IF	Assay-dependent
	IHC-Fr	Assay-dependent
	WB	Assay-dependent
Application Note	WB: Under non-reducing condition. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Calculated Mw	81 kDa	

Properties

Form	Liquid
Buffer	PBS and 0.1% Sodium azide.
Preservative	0.1% Sodium azide
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links

[GeneID: 7412 Human](#)

[Swiss-port # P19320 Human](#)

Gene Symbol

VCAM1

Gene Full Name

vascular cell adhesion molecule 1

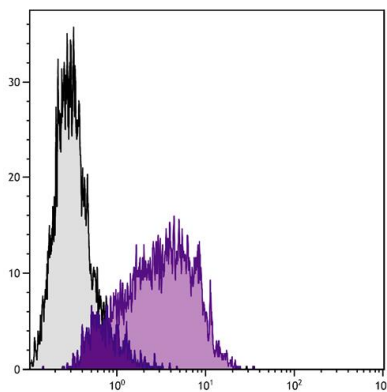
Background

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. Three alternatively spliced transcripts encoding different isoforms have been described for this gene. [provided by RefSeq, Dec 2010]

Function

Important in cell-cell recognition. Appears to function in leukocyte-endothelial cell adhesion. Interacts with integrin alpha-4/beta-1 (ITGA4/ITGB1) on leukocytes, and mediates both adhesion and signal transduction. The VCAM1/ITGA4/ITGB1 interaction may play a pathophysiologic role both in immune responses and in leukocyte emigration to sites of inflammation. [UniProt]

Images



ARG20963 anti-CD106 / VCAM1 antibody [1.G11B1] (FITC) FACS image

Flow Cytometry: TNF α stimulated Human endothelial cell line HUVEC-C was stained with ARG20963 anti-CD106 / VCAM1 antibody [1.G11B1] (FITC).