

## ARG20964 anti-CD106 / VCAM1 antibody [1.G11B1] (Biotin)

Package: 50 tests

Store at: 4°C

### Summary

Product Description	Biotin-conjugated Mouse Monoclonal antibody [1.G11B1] recognizes CD106 / VCAM1
Tested Reactivity	Hu, Pig
Tested Application	BL, ELISA, 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
Species	Human
Conjugation	Biotin
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
	ELISA	Assay-dependent
	FACS	10 µl/10 <sup>6</sup> 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.

### 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

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Database links	<a href="#">GeneID: 7412 Human</a> <a href="#">Swiss-port # P19320 Human</a>
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]
Calculated Mw	81 kDa
PTM	Sialoglycoprotein.