

ARG56083
anti-CD106 / VCAM1 antibody [1.4C3]Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [1.4C3] recognizes CD106 / VCAM1
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, IHC-P
Host	Mouse
Clonality	Monoclonal
Clone	1.4C3
Isotype	IgG1, kappa
Target Name	CD106 / VCAM1
Species	Human
Immunogen	Stimulated Human umbilical vein endothelial cells (HUVEC).
Conjugation	Un-conjugated
Alternate Names	CD106; INCAM-100; Vascular cell adhesion protein 1; VCAM-1; CD antigen CD106; V-CAM 1

Application Instructions

Application table	Application	Dilution
	FACS	0.5 - 1 µg/10 ⁶ cells in 0.1ml
	ICC/IF	1 - 2 µg/ml
	IHC-P	0.5 - 1 µg/ml

Application Note Antigen retrieval for IHC-P: Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 min.

* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS (pH 7.4), 0.05% Sodium azide and 0.1 mg/ml BSA
Preservative	0.05% Sodium azide
Stabilizer	0.1 mg/ml BSA
Concentration	0.2 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

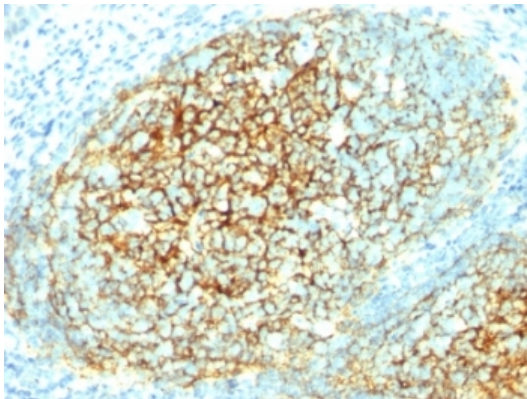
freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

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 arteriosclerosis 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.
Cellular Localization	Cytoplasmic, membrane

Images



ARG56083 anti-CD106 / VCAM1 antibody [1.4C3] IHC-P image

Immunohistochemistry: Formalin-fixed, paraffin-embedded Human tonsil stained with ARG56083 anti-CD106 / VCAM1 antibody [1.4C3].