

ARG20801 anti-CD106 / VCAM1 antibody [M/K-2]

Package: 100 µg
Store at: -20°C

Summary

Product Description	Rat Monoclonal antibody [M/K-2] recognizes CD106 / VCAM1
Tested Reactivity	Ms
Tested Application	BL, FACS, IHC-Fr, IP, WB
Specificity	Mouse CD106. The clone MK-2 has been used in transplant studies to suppress cardiac rejection and induce long-term cardiac graft survival. The M/K-2 monoclonal antibody immunoprecipitates a peptide that gives a single band on SDS-PAGE gels with an apparent MW of ~100 kDa under reducing conditions and 92 kDa under non-reducing conditions.
Host	Rat
Clonality	Monoclonal
Clone	M/K-2
Isotype	IgG1, kappa
Target Name	CD106 / VCAM1
Species	Mouse
Immunogen	BALB/3T3 and +/+2.4 cells
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
	BL	Assay-dependent
	FACS	Assay-dependent
	IHC-Fr	Assay-dependent
	IP	Assay-dependent
	WB	Assay-dependent

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

Properties

Form	Liquid
Buffer	BBS (pH 8.2)
Concentration	0.5 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. 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: 22329 Mouse](#)

[Swiss-port # P29533 Mouse](#)

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.