

## 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

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**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 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.