

## ARG20804 anti-CD106 / VCAM1 antibody [M/K-2] (PE)

Package: 50 µg  
Store at: 4°C

### Summary

Product Description	PE-conjugated Rat Monoclonal antibody [M/K-2] recognizes CD106 / VCAM1
Tested Reactivity	Ms
Tested Application	BL, FACS, IHC-Fr, 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	PE
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	< 0.2 µg/10 <sup>6</sup> cells
	IHC-Fr	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

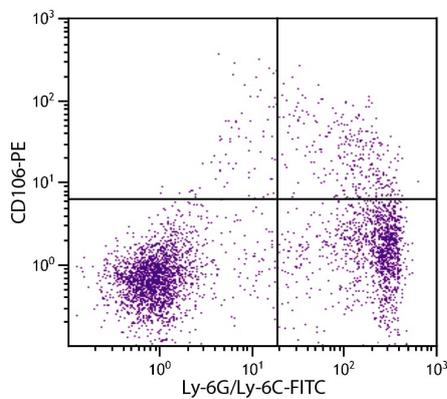
Form	Liquid
Buffer	PBS, 0.1% Sodium azide and Sucrose.
Preservative	0.1% Sodium azide
Stabilizer	Sucrose
Concentration	0.1 mg/ml

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	<a href="#">GeneID: 22329 Mouse</a> <a href="#">Swiss-port # P29533 Mouse</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.

## Images



ARG20804 anti-CD106 / VCAM1 antibody [M/K-2] (PE) FACS image

Flow Cytometry: BALB/c Mouse bone marrow cells stained with ARG20804 anti-CD106 / VCAM1 antibody [M/K-2] (PE) and ARG63064 anti-Ly6G antibody [RB6-8C5] (FITC).