

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 ⁶ 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

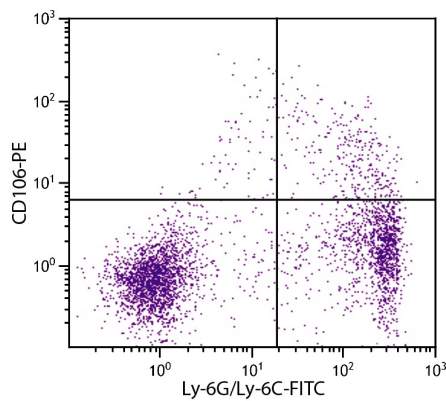
Form	Liquid
Buffer	PBS, 0.1% Sodium azide and Sucrose.
Preservative	0.1% Sodium azide
Stabilizer	Sucrose
Concentration	0.1 mg/ml

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	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.

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).