

ARG20809 anti-CD49d / LPAM1 / Integrin alpha 4 antibody [PS/2] (PE)

Package: 50 μg Store at: 4°C

Summary

Product Description	PE-conjugated Rat Monoclonal antibody [PS/2] recognizes CD49d / LPAM1 / Integrin alpha 4
Tested Reactivity	Hu, Ms
Tested Application	BL, FACS, IHC-Fr
Specificity	Mouse/Human CD49d.
Host	Rat
Clonality	Monoclonal
Clone	PS/2
lsotype	IgG2b, kappa
Target Name	CD49d / LPAM1 / Integrin alpha 4
Species	Mouse
Immunogen	P815 cells
Conjugation	PE
Alternate Names	CD49 antigen-like family member D; VLA-4 subunit alpha; CD49D; Integrin alpha-IV; CD antigen CD49d; Integrin alpha-4; IA4

Application Instructions

Application table	Application	Dilution
	BL	Assay-dependent
	FACS	< 0.2 µg/10^6 cells
	IHC-Fr	Assay-dependent
Application Note	* The dilutions indicate recomm should be determined by the sc	nended starting dilutions and the optimal dilutions or concentrations ientist.

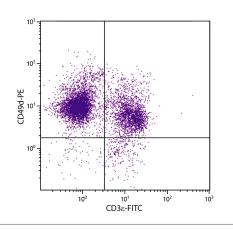
Properties

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.

Bioinformation

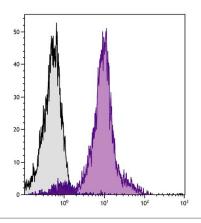
Database links	GenelD: 16401 Mouse
	GenelD: 3676 Human
	Swiss-port # P13612 Human
	Swiss-port # Q00651 Mouse
Gene Symbol	ITGA4
Gene Full Name	integrin alpha 4
Background	The product of this gene belongs to the integrin alpha chain family of proteins. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. This gene encodes an alpha 4 chain. Unlike other integrin alpha chains, alpha 4 neither contains an I-domain, nor undergoes disulfide-linked cleavage. Alpha 4 chain associates with either beta 1 chain or beta 7 chain. [provided by RefSeq, Jul 2008]
Function	Integrins alpha-4/beta-1 (VLA-4) and alpha-4/beta-7 are receptors for fibronectin. They recognize one or more domains within the alternatively spliced CS-1 and CS-5 regions of fibronectin. They are also receptors for VCAM1. Integrin alpha-4/beta-1 recognizes the sequence Q-I-D-S in VCAM1. Integrin alpha-4/beta-7 is also a receptor for MADCAM1. It recognizes the sequence L-D-T in MADCAM1. On activated endothelial cells integrin VLA-4 triggers homotypic aggregation for most VLA-4-positive leukocyte cell lines. It may also participate in cytolytic T-cell interactions with target cells. [UniProt]
Calculated Mw	115 kDa
РТМ	Phosphorylation on Ser-1027 inhibits PXN binding.

Images



ARG20809 anti-CD49d / LPAM1 / Integrin alpha 4 antibody [PS/2] (PE) FACS image

Flow Cytometry: BALB/c Mouse splenocytes stained with ARG20809 anti-CD49d / LPAM1 / Integrin alpha 4 antibody [PS/2] (PE) and anti-CD3e antibody [C363.29B] (FITC).



ARG20809 anti-CD49d / LPAM1 / Integrin alpha 4 antibody [PS/2] (PE) FACS image

Flow Cytometry: BALB/c Mouse splenocytes stained with ARG20809 anti-CD49d / LPAM1 / Integrin alpha 4 antibody [PS/2] (PE).