

## ARG21289 anti-CD49d / LPAM1 / Integrin alpha 4 antibody [7.2] (PE)

Package: 50 tests  
Store at: 4°C

### Summary

Product Description	PE-conjugated Mouse Monoclonal antibody [7.2] recognizes CD49d / LPAM1 / Integrin alpha 4
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, WB
Specificity	Human CD49d.
Host	Mouse
Clonality	Monoclonal
Clone	7.2
Isotype	IgG1, kappa
Target Name	CD49d / LPAM1 / Integrin alpha 4
Species	Human
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
	FACS	10 µl/10 <sup>6</sup> cells
	ICC/IF	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
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.

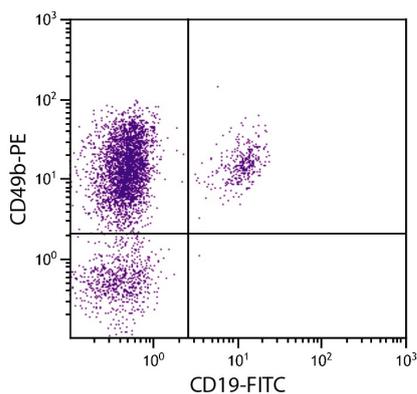
## Bioinformation

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Database links	<a href="#">GeneID: 3676 Human</a> <a href="#">Swiss-port # P13612 Human</a>
Gene Symbol	ITGA4
Gene Full Name	integrin, alpha 4 (antigen CD49D, alpha 4 subunit of VLA-4 receptor)
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
PTM	Phosphorylation on Ser-1027 inhibits PXN binding.

## Images

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ARG21289 anti-CD49d / LPAM1 / Integrin alpha 4 antibody [7.2] (PE)  
FACS image

Flow Cytometry: Human peripheral blood lymphocytes stained with [ARG21289](#) anti-CD49d / LPAM1 / Integrin alpha 4 antibody [7.2] (PE) and [ARG21258](#) anti-CD19 antibody [SJ25-C1] (FITC).