

LPAM-1(Integrin  $\alpha$ 4, CD49d) Conjugated Antibody

Catalog No: #C21616



Package Size: #C21616-AF350 100ul #C21616-AF405 100ul #C21616-AF488 100ul  
 #C21616-AF555 100ul #C21616-AF594 100ul #C21616-AF647 100ul  
 #C21616-AF680 100ul #C21616-AF750 100ul #C21616-Biotin 100ul

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## Description

Product Name	LPAM-1(Integrin $\alpha$ 4, CD49d) Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total LPAM-1(Integrin $\alpha$ 4, CD49d) protein.
Immunogen Description	Peptide sequence around aa.1024~1028(Y-I-N-S-K) derived from Human LPAM-1(Integrin $\alpha$ 4, CD49d).
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	IA4;MGC90518;ITGA4
Accession No.	Swiss-Prot#:P13612NCBI Gene ID:3676NCBI mRNA#:NM_000885.4 NCBI Protein#:NP_000876.3
Uniprot	P13612
GeneID	3676;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	70140180
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

## Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

## Product Description

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Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.

## Background

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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.

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Note: This product is for in vitro research use only