

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

Catalog No: #21616

Package Size: #21616-1 50ul #21616-2 100ul

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## Description

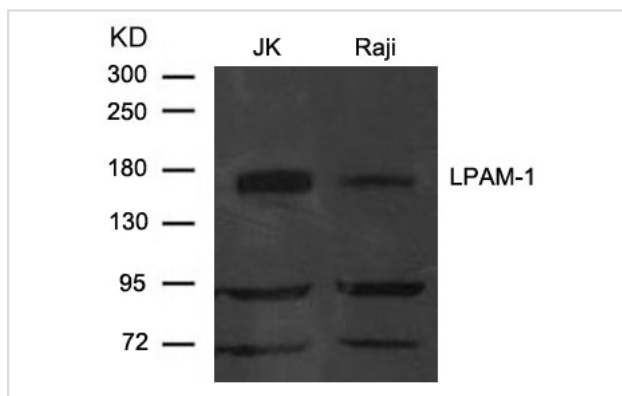
Product Name	LPAM-1(Integrin $\alpha$ 4, CD49d) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total LPAM-1(Integrin $\alpha$ 4, CD49d) protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.1024~1028(Y-I-N-S-K) derived from Human LPAM-1(Integrin $\alpha$ 4, CD49d).
Target Name	LPAM-1(Integrin $\alpha$ 4,CD49d)
Other Names	IA4; MGC90518; ITGA4
Accession No.	Swiss-Prot: P13612NCBI Protein: NP_000876.3
Uniprot	P13612
GeneID	3676;
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

## Application Details

Predicted MW: 70 140 180kd

Western blotting: 1:500~1:1000

## Images



Western blot analysis of extract from JK and Raji cells using LPAM-1(Integrin  $\alpha$ 4, CD49d) Antibody #21616

## 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.

Iida J., Meijne A.M.L., Oegema T.R. Jr. J. Biol. Chem. 273:5955-5962(1998)

Liu S., Thomas S.M., Woodside D.G., Rose D.M. Nature 402:676-681(1999)

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Note: This product is for in vitro research use only