

Rat anti-Mouse CD49d Monoclonal Antibody | anti-CD49d antibody

Anti-Ms CD49d PE

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA128944	Rat	Mouse	Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

CD49d; Monoclonal Antibody; Anti-Ms CD49d PE; integrin subunit alpha 4; Itga4; Integrin alpha-4; Vla-4 alpha; Vla alpha; anti-CD49d antibody

PRODUCT SPECIFICATIONS

Host	Rat
Reactivity	Mouse
Clonality	Monoclonal
Isotype	IgG2b kappa
Clone Number	R1-2
Specificity	The rat monoclonal antibody R1-2 recognizes an extracellular epitope of murine CD49d / Integrin alpha 4 (VLA-4 alpha), an approximately 150 kDa glycoprotein of the integrin family, expressed on multiple blood cell types.
Purity/Purification	The purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Form/Format	Phosphate buffered saline (PBS) solution with 15 mM sodium azide
Concentration	0.5 mg/ml (varies by lot)
Sequence Length	1032
Applicable Applications for anti-CD49d antibody	FCM/FACS (Flow Cytometry)
Immunogen	murine T lymphoma line TK1
Conjugation	PE
Preparation and Storage	Store in the dark at 2-8 degree C. Do not freeze. Avoid prolonged exposure to light.

ADDITIONAL INFORMATION

Related Product Information for anti-CD49d antibody	CD49d (integrin alpha 4), also known as very late antigen 4 alpha (VLA-4 alpha) is a cell surface glycoprotein constituting integrin complexes. CD49d heterodimerizes with CD29 (integrin beta 1) to form VLA-4 antigen, which is involved in cell-cell and cell-extracellular matrix interactions, which is a receptor for CD106 (VCAM) and fibronectin. CD79d also heterodimerizes with integrin beta 7 to form LPAM-1, which binds to MAdCAM-1 (mucosal vascular addressin). These interactions are important for cell adhesion and activation.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	114326554
NCBI GeneID	16401
NCBI Accession #	NP_034706.3
NCBI GenBank Nucleotide #	NP_034706.3

UniProt Accession #	Q00651
NCBI Official Full Name	integrin alpha-4
NCBI Official Synonym Full Names	integrin alpha 4
NCBI Official Symbol	Itga4
NCBI Official Synonym Symbols	CD49D; Itga4B
NCBI Protein Information	integrin alpha-4
UniProt Protein Name	Integrin alpha-4
UniProt Gene Name	Itga4
UniProt Synonym Gene Names	LPAM subunit alpha
UniProt Entry Name	ITA4_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/cd49d-antibody-clone-r1-2-flow-cytometry-elisa/128944>