

Rat CD49d Monoclonal Antibody | anti-CD49d antibody

RAT ANTI MOUSE CD49d:Low Endotoxin

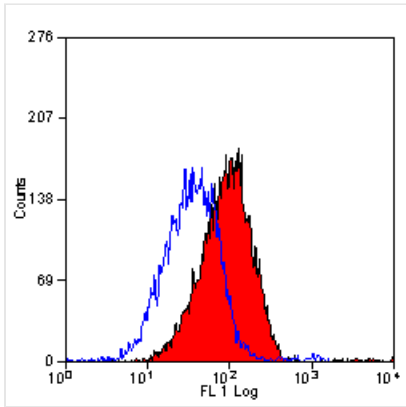
CATALOG #	HOST	APPLICATIONS
AAA11898	Rat	Immunohistochemistry, Flow Cytometry, Functional Assay, Functional Assay, Immunoprecipitation

PRODUCT SYNONYMS

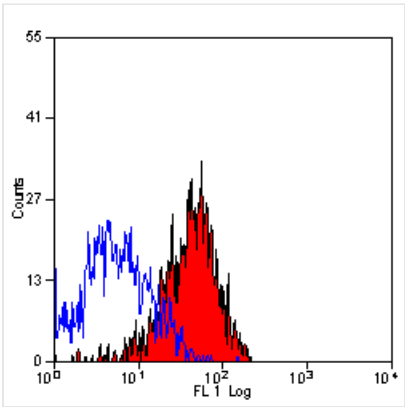
CD49d; Monoclonal Antibody; RAT ANTI MOUSE CD49d:Low Endotoxin; anti-CD49d antibody

PRODUCT SPECIFICATIONS

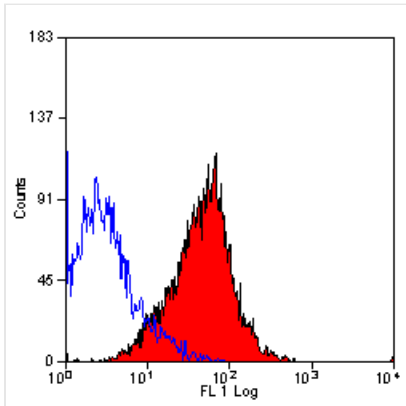
Host	Rat
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	PS/2
Form/Format	Low Endotoxin Purified IgG - liquid
Concentration	IgG concentration 1.0 mg/ml (varies by lot)
Sequence Length	1,039
Applicable Applications for anti-CD49d antibody	IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), FA (Functional Assay), IP (Immunoprecipitation)
Application Notes	Flow Cytometry: Use 10ul of the suggested working dilution to label 106 cells in 100ul. Flow Cytometry: Minimum Dilution: 1/50; Maximum Dilution: 1/100
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Target Species	Mouse
Preparation and Storage	Store at -20 degree C only. This product should be stored undiluted. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.



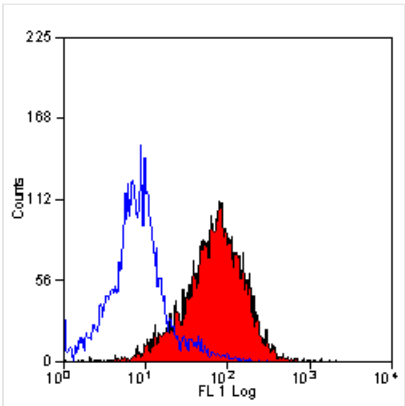
Application Data
Staining of mouse peripheral blood lymphocytes with Rat anti Mouse CD49d: Low Endotoxin



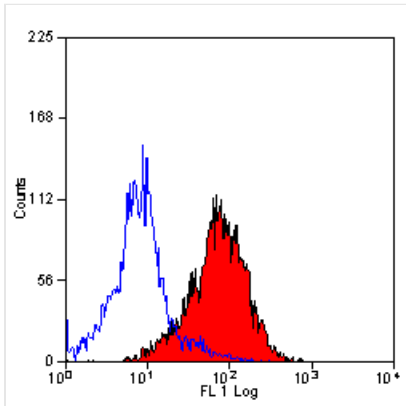
Application Data
Staining of mouse peripheral blood lymphocytes with Rat anti Mouse CD49d: Alexa Fluor 647



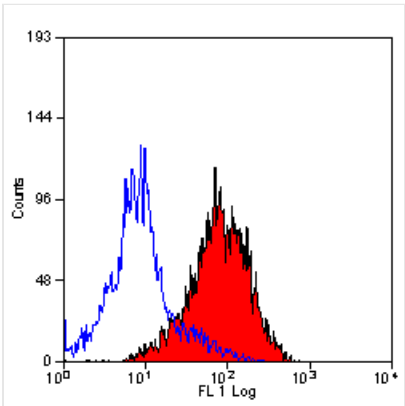
Application Data
Staining of mouse peripheral blood lymphocytes with Rat anti Mouse CD49d: FITC



Application Data
Staining of mouse peripheral blood lymphocytes with Rat anti Mouse CD49d



Application Data
Staining of mouse peripheral blood lymphocytes with Rat anti Mouse CD49d



Application Data
Staining of mouse peripheral blood lymphocytes with Rat anti Mouse CD49d: Azide Free

ADDITIONAL INFORMATION

Related Product Information for anti-CD49d antibody	Rat anti Mouse CD49d monoclonal antibody, clone PS/2 recognizes murine alpha 4 integrin (CD49d), a ~150kDa single pass type I membrane glycoprotein that can associate with either beta 1 integrin (CD29) or beta 7 integrin to form heterodimers CD49d/CD29 (VLA-4) and alpha4/beta7 (LPAM-1) respectively (Holzmann et al. 1989). CD49d is expressed on most lymphocytes, granulocytes, monocytes and thymocytes. The primary ligands for CD49d are CD106 (VCAM-1), fibronectin and MAdCAM-1 (Sheppard et al. 1994). Clone PS/2 has also been reported to block the binding of CD49d to its ligands (Andrew et al. 1994).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	114326554
NCBI GeneID	16401
NCBI Accession #	NP_034706.3
NCBI GenBank Nucleotide #	NM_010576.3
UniProt Accession #	Q00651
Molecular Weight	115,696 Da
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; CD49 antigen-like family member D; LPAM subunit alpha; VLA-4 receptor, alpha 4 subunit; VLA-4 subunit alpha; integrin alpha-IV; integrin alpha4B; lymphocyte Peyer patch adhesion molecules subunit alpha
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://stage.aaabiotech.com/monoclonal/cd49d-antibody-clone-ps-2-immunohistochemistry-flow-cytometry-functional-assay-immunoprecipitation-elisa/11898>