

Mouse CD49b Monoclonal Antibody | anti-CD49b antibody

MOUSE ANTI HUMAN CD49b:FITC

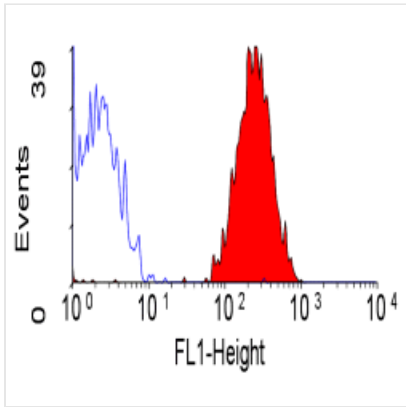
CATALOG # AAA49121	HOST Mouse	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

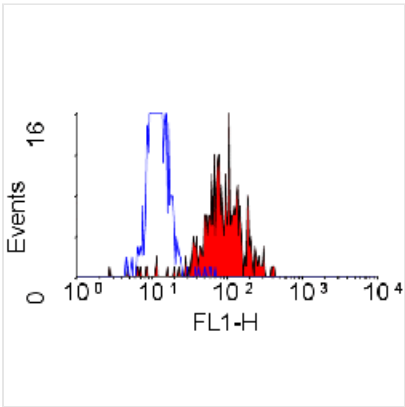
CD49b; Monoclonal Antibody; MOUSE ANTI HUMAN CD49b:FITC; anti-CD49b antibody

PRODUCT SPECIFICATIONS

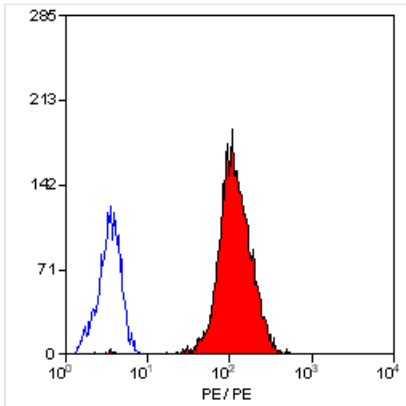
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	AK7
Form/Format	FITC Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid.
Concentration	IgG concentration 0.1 mg/ml (varies by lot)
Sequence Length	1,181
Applicable Applications for anti-CD49b antibody	FCM/FACS (Flow Cytometry)
Perservative Stabilisers	0.09% Sodium Azide 1% Bovine Serum Albumin Preparation
Fusion Partners	Spleen cells from immunised mice were fused with cells of the mouse NSI myeloma cell line. Buffer Solution
Target Species	Human
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. This product should be stored undiluted. Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light. 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 human peripheral blood platelets with Mouse anti Human CD49b:FITC



Application Data
Staining of human peripheral blood monocytes with Mouse anti Human CD49b



Application Data
Staining of human peripheral blood platelets with Mouse anti Human CD49b:RPE

ADDITIONAL INFORMATION

Related Product Information for anti-CD49b antibody	Mouse anti Human CD49b antibody, clone AK7 recognizes the integrin alpha 2 subunit, which is a 160kD glycoprotein that non-covalently associates with the 130kD integrin beta 1 subunit to form the VLA-2 complex. CD49b is expressed by platelets, long term cultivated T cells, approximately 50% of monocytes and most adherent cell lines. Mouse anti Human CD49b antibody, clone AK7 inhibits cell attachment to collagen.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	116295258
NCBI GeneID	3673
NCBI Accession #	NP_002194.2
NCBI GenBank Nucleotide #	NM_002203.3
UniProt Accession #	P17301; Q14595
Molecular Weight	129,295 Da
NCBI Official Full Name	integrin alpha-2
NCBI Official Synonym Full Names	integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2 receptor)
NCBI Official Symbol	ITGA2
NCBI Official Synonym Symbols	BR; GPIa; CD49B; HPA-5; VLA-2; VLAA2

NCBI Protein Information	integrin alpha-2; CD49 antigen-like family member B; VLA2 receptor, alpha-2 subunit; collagen receptor; human platelet alloantigen system 5; platelet antigen Br; platelet glycoprotein GPIa; platelet membrane glycoprotein Ia; very late activation protein 2 receptor, alpha-2 subunit
UniProt Protein Name	Integrin alpha-2
UniProt Gene Name	ITGA2
UniProt Synonym Gene Names	CD49B; GPIa
UniProt Entry Name	ITA2_HUMAN

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/cd49b-antibody-clone-ak7-flow-cytometry-elisa/49121>