

Mouse CD49b Monoclonal Antibody | anti-CD49b antibody

Anti-Hu CD49b FITC

CATALOG # AAA128418	HOST Mouse	REACTIVITY Non-human primates, Human	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

CD49b; Monoclonal Antibody; Anti-Hu CD49b FITC; integrin subunit alpha 2; ITGA2; Integrin alpha-2; VLA-2 alpha; VLA2 alpha; GPIa; anti-CD49b antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Non-human primates, Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	AK7
Specificity	The mouse monoclonal antibody AK7 recognizes an extracellular epitope of CD49b, a 160-165 kDa alpha subunit of VLA-2 integrin complex expressed on platelets, megakaryocytes, activated T and B cells, monocytes, epithelial cells, endothelial cells and fibroblasts.
Purity/Purification	The purified antibody is conjugated with fluorescein isothiocyanate (FITC) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Form/Format	Stabilizing phosphate buffered saline (PBS) solution containing 15 mM sodium azide
Sequence Length	1181
Applicable Applications for anti-CD49b antibody	FCM/FACS (Flow Cytometry)
Immunogen	Human platelets
Conjugation	FITC
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-CD49b antibody	CD49b the integrin alpha 2 chain, associates with CD29 (integrin beta 1 chain) to form VLA-2 integrin complex, which plays a critical role in the processes of lymphocyte adhesion and activation. VLA-2 serves as a receptor for collagen, laminin, and fibronectin and also regulates the extracellular matrix synthesis and organization. CD49b has been used to identify NK cells, and coexpressed with CD223 (LAG-3) it identifies CD4+ T regulatory type 1 cells (Tr1).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	116295258
NCBI GeneID	3673
NCBI Accession #	NP_002194.2
NCBI GenBank Nucleotide #	NP_002194.2

UniProt Accession #	P17301
NCBI Official Full Name	integrin alpha-2
NCBI Official Synonym Full Names	integrin subunit alpha 2
NCBI Official Symbol	ITGA2
NCBI Official Synonym Symbols	BR; GPIa; CD49B; HPA-5; VLA-2; VLAA2
NCBI Protein Information	integrin alpha-2
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://www.aaabiotech.com/monoclonal/cd49b-antibody-clone-ak7-flow-cytometry-elisa/128418>