

Hamster anti-Mouse, Rat Integrin, beta1 Monoclonal Antibody | anti-ITGB1 antibody

Integrin, beta1 (CD29, Very Late Antigen, VLAB1, Platelet gpIIa, ITGB1, Fibrinogen Receptor beta Subunit, FNRB, Integrin VLA4 Subunit beta, MDF2, MSK12, Very Late Activation Protein beta Polypeptide, VLAB, VLABeta) (PE)

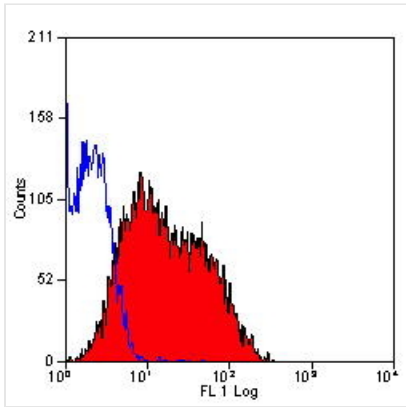
CATALOG # AAA14730	HOST Hamster	REACTIVITY Mouse, Rat	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

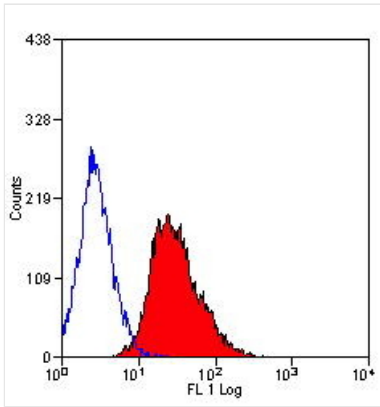
Integrin; beta1; Monoclonal Antibody; beta1 (CD29; Very Late Antigen; VLAB1; Platelet gpIIa; ITGB1; Fibrinogen Receptor beta Subunit; FNRB; Integrin VLA4 Subunit beta; MDF2; MSK12; Very Late Activation Protein beta Polypeptide; VLAB; VLABeta) (PE); Anti -Integrin; anti-ITGB1 antibody

PRODUCT SPECIFICATIONS

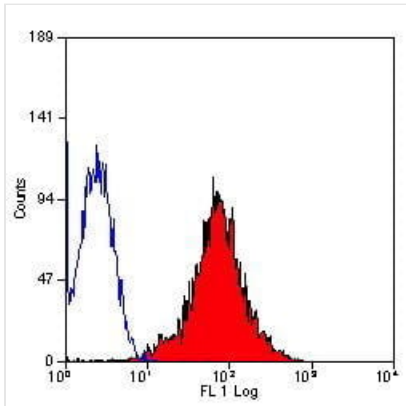
Host	Hamster
Reactivity	Mouse, Rat
Clonality	Monoclonal
Isotype	IgG
Clone Number	10B1285
Specificity	Recognizes the murine integrin beta 1 subunit. Inhibits beta 1 integrin mediated adhesion. Species Crossreactivity: rat.
Purity/Purification	Affinity Purified Purified by Protein G affinity chromatography.
Form/Format	Supplied as a lyophilized powder from PBS, pH 7.4, 1% BSA, 0.09% sodium azide. Labeled with R-Phycoerythrin (PE). Reconstitute with 1ml sterile 40-50% glycerol, ddH2O.
Applicable Applications for anti-ITGB1 antibody	FCM/FACS (Flow Cytometry)
Application Notes	Suitable for use in Flow Cytometry. Dilution: Flow Cytometry: Neat-1:5; 10ul labels 10e6 cells in 100ul
Immunogen	Purified mouse VLA-4 antigen.
Preparation and Storage	May be stored at 4 degree C before opening. DO NOT FREEZE! Stable at 4 degree C as an undiluted liquid. Dilute only prior to immediate use. Stable for at least 12 months at 4 degree C. Freezing R-Phycoerythrin (PE) conjugates will result in a substantial loss of activity. PE conjugates are sensitive to light.



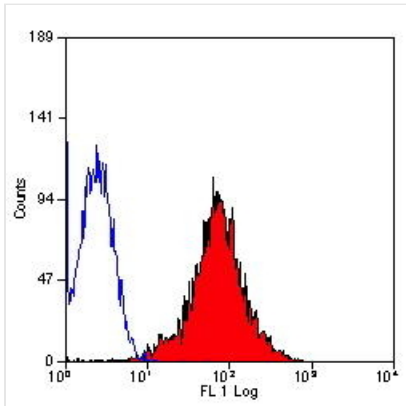
Application Data
Staining of mouse spleen cells with HAMSTER ANTI MOUSE CD29: Alexa Fluor® 647



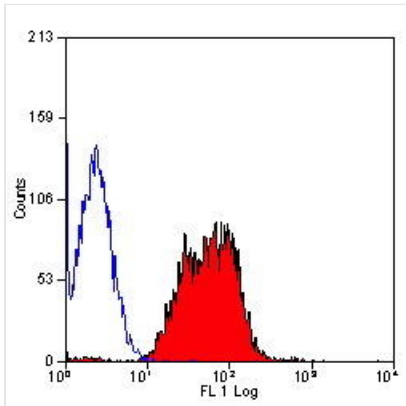
Application Data
Staining of mouse spleen cells with hamster anti mouse CD29: Alexa Fluor® 488



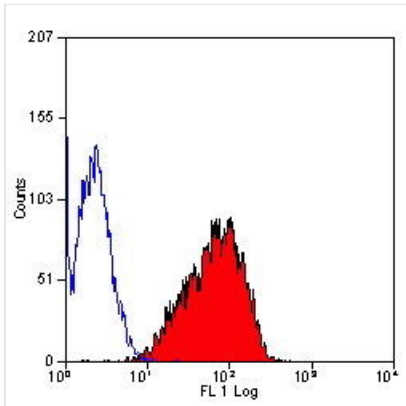
Application Data
Staining of mouse peripheral blood lymphocytes with HAMSTER ANTI MOUSE CD29:FITC



Application Data
Staining of mouse peripheral blood lymphocytes with HAMSTER ANTI MOUSE CD29: LOW ENDOTOXIN



Application Data
Staining of mouse peripheral blood lymphocytes with HAMSTER ANTI MOUSE CD29



Application Data
Staining of mouse peripheral blood lymphocytes with HAMSTER ANTI MOUSE CD29

ADDITIONAL INFORMATION

Related Product Information for anti-ITGB1 antibody	The integrin beta 1 subunit (CD29) is a 110kD cell surface glycoprotein that is widely expressed by a variety of cells including all leukocytes. CD29 forms non-covalent bonds with the integrin alpha subunits, including CD51 and CD49a-f, to form heterodimers. The ligands for these heterodimers include collagen, fibronectin, laminin and vascular adhesion molecule-1. In the immune system beta 1 integrins play an important role in cell adhesion, migration, activation and differentiation.
Product Categories/Family for anti-ITGB1 antibody	Antibodies ; Abs to Integrin

NCBI AND UNIPROT INFORMATION

NCBI GI #	55959577
NCBI GeneID	3688
UniProt Accession #	Q5T3E4; P05556; Q5T3E5; Q5T3E6
Molecular Weight	5,325 Da
NCBI Official Full Name	integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12)
NCBI Official Synonym Full Names	integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12)
NCBI Official Symbol	ITGB1
NCBI Official Synonym Symbols	CD29; FNRB; MDF2; VLAB; GPIIA; MSK12; VLA-BETA
NCBI Protein Information	integrin beta-1; OTTHUMP00000019420; integrin VLA-4 beta subunit; very late activation protein, beta polypeptide
UniProt Protein Name	Integrin, beta 1 (Fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12)
UniProt Gene Name	ITGB1
UniProt Entry Name	Q5T3E4_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/integrin-beta1-antibody-clone-10b1285-flow-cytometry-elisa/14730>