

Mouse anti-Human CD29 Monoclonal Antibody | anti-CD29 antibody

Anti-Human CD29 Monoclonal Antibody (PerCP/Cy5.5 Conjugated)

CATALOG # AAA174619	HOST Mouse	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay
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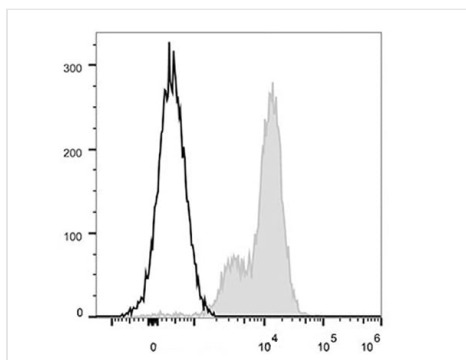
PRODUCT SYNONYMS

CD29; Monoclonal Antibody; Anti-Human CD29 Monoclonal Antibody (PerCP/Cy5.5 Conjugated); Integrin beta-1; ITB1; Itgb1; Fibronectin receptor subunit beta; VLA-4 subunit beta; anti-CD29 antibody

PRODUCT SPECIFICATIONS

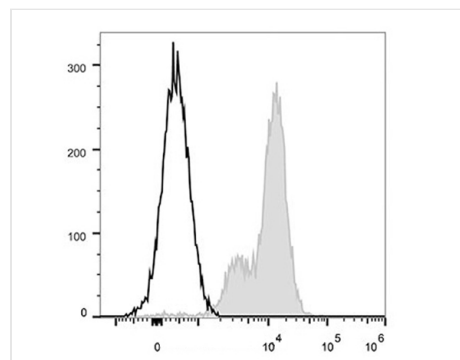
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	TS2/16.2.1
Form/Format	Liquid; PBS with 0.05% Proclin300, 1% BSA
Sequence Length	798
Applicable Applications for anti-CD29 antibody	FCM/FACS (Flow Cytometry)
Conjugation	PerCP/Cy5.5
Preparation and Storage	Store at 2-8 degree C and protected from prolonged exposure to light. Do not freeze.

IMAGES



FCM/FACS (Flow Cytometry)

Human peripheral blood lymphocytes are stained with Anti-Human CD29 Monoclonal Antibody(PerCP/Cy5.5 Conjugated)(filled gray histogram). Unstained lymphocytes (empty black histogram) are used as control.



FCM/FACS (Flow Cytometry)

Flow cytometry antibody

ADDITIONAL INFORMATION

Related Product Information for anti-CD29 antibody	CD29 is a 130 kD single chain type I glycoprotein also known as integrin beta1, VLA-beta chain, or gpIIa. It is broadly expressed on a majority of hematopoietic and non-hematopoietic cells, including leukocytes (although at low level on granulocytes), platelets, fibroblasts, endothelial cells, epithelial cells, and mast cells. CD29 is a member of the integrin family. It is non-covalently associated with integrin alpha1-alpha6 chains to form VLA-1 to VLA-6 molecules, respectively. Integrins, which include CD29, bind to several cell surface (e.g. VCAM-1, MadCAM-1) and extracellular matrix molecules. CD29 acts as a fibronectin receptor and is involved in a variety of cell-cell and cell-matrix interactions.
References	1. Hemler M. 1990. Annu. Rev. Immunol. 8:365. 2. Hynes R. 1992. Cell 69:11.

NCBI AND UNIPROT INFORMATION

NCBI GI #	19743813
NCBI GeneID	3688
NCBI Accession #	NP_002202.2
NCBI GenBank Nucleotide #	NM_002211.4
UniProt Accession #	P05556
NCBI Official Full Name	integrin beta-1 isoform 1A
NCBI Official Synonym Full Names	integrin subunit beta 1
NCBI Official Symbol	ITGB1
NCBI Official Synonym Symbols	CD29; FNRB; MDF2; VLAB; GPIIA; MSK12; VLA-BETA
NCBI Protein Information	integrin beta-1
UniProt Protein Name	Integrin beta-1
UniProt Gene Name	ITGB1
UniProt Synonym Gene Names	FNRB; MDF2; MSK12; GPIIA
UniProt Entry Name	ITB1_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.