

Mouse CD29 Monoclonal Antibody | anti-CD29 antibody

MOUSE ANTI HUMAN CD29:RPE

CATALOG # AAA50575	HOST Mouse	APPLICATIONS Flow Cytometry, Functional Assay
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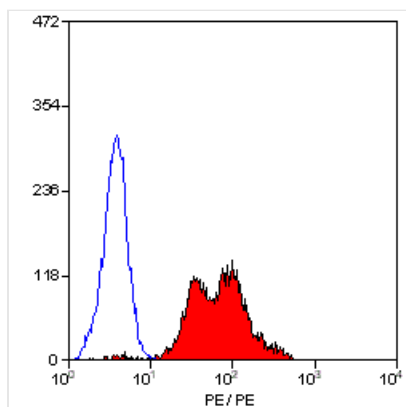
PRODUCT SYNONYMS

CD29; Monoclonal Antibody; MOUSE ANTI HUMAN CD29:RPE; anti-CD29 antibody

PRODUCT SPECIFICATIONS

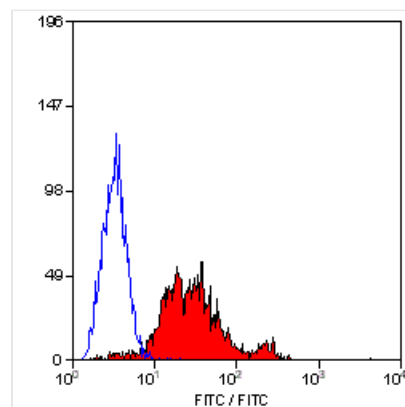
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	4B7R
Form/Format	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilised
Sequence Length	798
Applicable Applications for anti-CD29 antibody	FCM/FACS (Flow Cytometry)
Reconstitution	Reconstitute with 1.0 ml distilled water Perservative Stabilisers
Buffer Solution	Phosphate buffered saline
Target Species	Human
Preparation and Storage	Store at 4 degree C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 12 months from date of reconstitution.

IMAGES



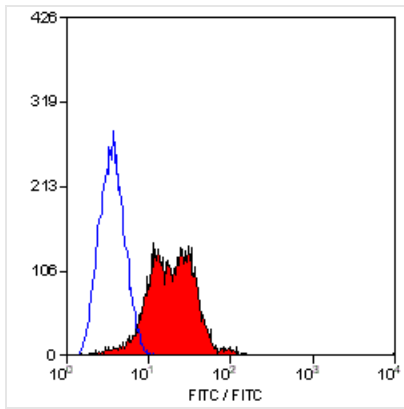
Application Data

Staining of human peripheral blood lymphocytes with Mouse anti Human CD29:RPE (AAA50575)



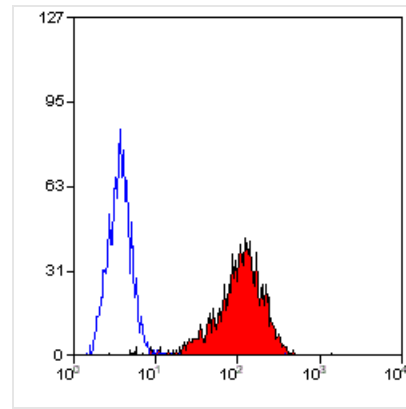
Application Data

Staining of human peripheral blood lymphocytes with Mouse anti Human CD29:FITC



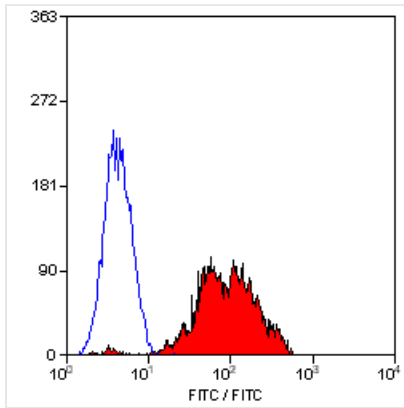
Application Data

Staining of human peripheral blood lymphocytes with Mouse anti Human CD29:Biotin



Application Data

Staining of human peripheral blood lymphocytes with Mouse anti Human CD29:Alexa FluorR 647



Application Data

Staining of human peripheral blood lymphocytes with Mouse anti Human CD29

ADDITIONAL INFORMATION

Related Product Information for anti-CD29 antibody

Mouse anti Human CD29 monoclonal antibody, clone 4B7R recognizes the human integrin beta 1 subunit, also known as CD29, a ~130kDa (red) 115kDa (non-red) single pass type I transmembrane glycoprotein expressed by most leucocytes and mesenchymal stem cells. Integrin receptors are involved in the regulation of a variety of important biological functions, including embryonic development, wound repair, hemostasis and prevention of programmed cell death. They are also implicated in abnormal pathological states such as tumor directed angiogenesis, tumor cell growth, and metastasis. Surface expression of CD29 on human natural killer cells can be reduced by pretreatment with the glutathione-S-transferase inhibitor diethyl maleate (Horvath-Arcidiacono et al. 2003)

NCBI AND UNIPROT INFORMATION

NCBI GI #	19743813
NCBI GeneID	3688
NCBI Accession #	NP_002202.2
NCBI GenBank Nucleotide #	NM_002211.3
UniProt Accession #	P05556; P78466; P78467; Q13089; Q13090; Q13091; Q13212; A8K6N2; D3DRX9; D3DRY3; D3DRY4; D3DRY5
Molecular Weight	88,884 Da
NCBI Official Full Name	integrin beta-1 isoform 1A
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; glycoprotein IIa; integrin VLA-4 beta subunit; very late activation protein, beta polypeptide
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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd29-antibody-clone-4b7r-flow-cytometry-elisa/50575>