

Hamster CD29 Monoclonal Antibody | anti-CD29 antibody

HAMSTER ANTI MOUSE CD29:FITC

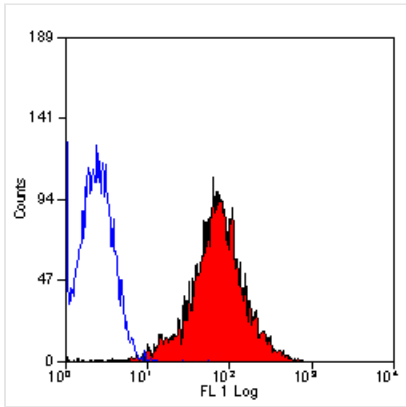
CATALOG # AAA11872	HOST Hamster	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

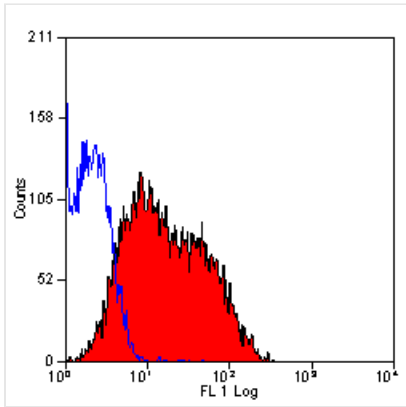
CD29; Monoclonal Antibody; HAMSTER ANTI MOUSE CD29:FITC; anti-CD29 antibody

PRODUCT SPECIFICATIONS

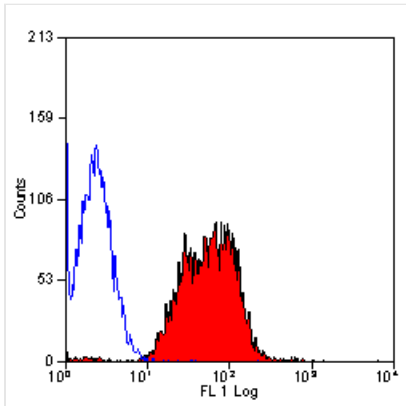
Host	Hamster
Clonality	Monoclonal
Isotype	IgG
Clone Number	HM beta 1-1
Form/Format	FITC Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid
Concentration	IgG concentration 0.1 mg/ml (varies by lot)
Sequence Length	798
Applicable Applications for anti-CD29 antibody	FCM/FACS (Flow Cytometry)
Application Notes	Flow Cytometry: Use 10ul of the suggested working dilution to label 106 cells in 100ul. The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity Fc receptors. This may be reduced by using SeroBlock FcR. Flow Cytometry: Minimum Dilution: Neat; Maximum Dilution: 1/10
Perservative Stabilisers	0.09% Sodium Azide 1% Bovine Serum Albumin Preparation
Immunogen	Purified mouse VLA-4 antigen Fusion Partners
Target Species	Mouse
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. Shelf Life: 18 months from date of despatch.



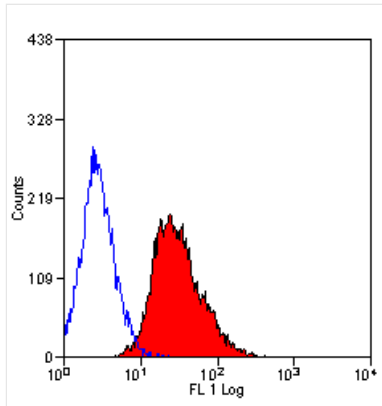
Application Data
Staining of mouse peripheral blood lymphocytes with Hamster anti Mouse CD29: Low Endotoxin



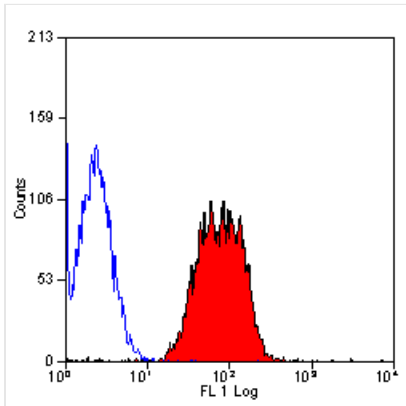
Application Data
Staining of mouse spleen cells with Hamster anti Mouse CD29: Alexa Fluor 647



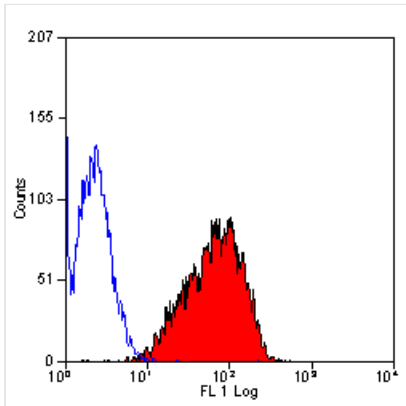
Application Data
Staining of mouse peripheral blood lymphocytes with Hamster anti Mouse CD29



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

ADDITIONAL INFORMATION

Related Product Information for anti-CD29 antibody

Hamster anti Mouse CD29 antibody, clone HM beta 1-1 recognizes the murine integrin beta 1 subunit (CD29), a 110kDa cell surface glycoprotein that is widely expressed by a variety of cells including all leucocytes. 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. Hamster anti Mouse CD29 antibody, clone HM beta 1-1 is reported to inhibit beta 1 integrin mediated adhesion (Noto et al. 1995).

NCBI AND UNIPROT INFORMATION

NCBI GI #	45504394
NCBI GeneID	16412
NCBI Accession #	NP_034708.1
NCBI GenBank Nucleotide #	NM_010578.2
UniProt Accession #	P09055; Q3TIW5; Q3TWH6; Q60993; Q61126; Q8BTU0; Q8BVU1; F6R105
Molecular Weight	88,700 Da
NCBI Official Full Name	integrin beta-1
NCBI Official Synonym Full Names	integrin beta 1 (fibronectin receptor beta)
NCBI Official Symbol	Itgb1
NCBI Official Synonym Symbols	CD29; Fnrb; gpIIa; Gm9863; AA409975; AA960159; 4633401G24Rik; ENSMUSG00000051907
NCBI Protein Information	integrin beta-1; VLA-4 subunit beta; fibronectin receptor subunit beta
UniProt Protein Name	Integrin beta-1
UniProt Gene Name	Itgb1
UniProt Entry Name	ITB1_MOUSE

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd29-antibody-clone-hm-beta-1-1-flow-cytometry-elisa/11872>