

Mouse CD29 Monoclonal Antibody | anti-CD29 antibody

anti-human CD29-Purified Preservative Free

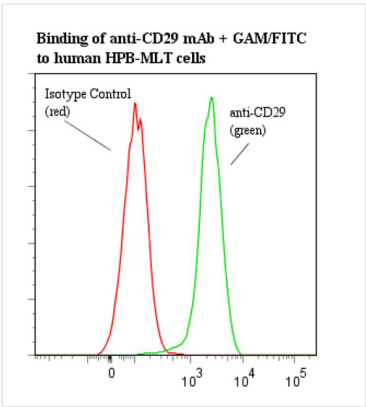
CATALOG # AAA14855	HOST Mouse	REACTIVITY Human, Pig, Mouse	APPLICATIONS Flow Cytometry, Functional Assay, Western Blot
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PRODUCT SYNONYMS

CD29; Monoclonal Antibody; anti-human CD29-Purified Preservative Free; Monoclonal anti-human CD29 (f α 1 integrin); anti-CD29 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Pig, Mouse
Clonality	Monoclonal
Isotype	IgG1k
Clone Number	4B7R
Purity/Purification	Purified Preservative Free
Form/Format	50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	135
Applicable Applications for anti-CD29 antibody	FCM/FACS (Flow Cytometry), WB (Western Blot)
Application Notes	FC Binding to Nalm-6 cells with GAM/FITC detection: Specification: >1.0 log shift Result: 1.3 log shift.
Performance	Five x 10 ⁵ cultured human HPB-MLT cells were washed and incubated 45 minutes on ice with 80 ul of anti-CD29 antibody at a concentration of 10 ug/ml. Cells were washed twice and incubated with 2° reagent Goat anti-Mouse IgG/FITC, after which they were washed three times, fixed and analyzed by FC. Cells stained positive with a mean shift of 1.3 log 10 fluorescent units when compared to a Mouse IgG1 negative control at a similar concentration.
Production	Antibody was Protein A purified from (low FBS containing) tissue culture supernatant. Purity was >95% Immunoglobulin by SDS-PAGE with less than 1% Bovine Immunoglobulin.
Buffer	50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl.
Immunogen	Human ocular melanoma cell line, V+B2
Preparation and Storage	Store at 2 - 5 degree C. Freeze/Thawing is not recommended. Open under aseptic conditions. Product should retain activity for at least 12 months after shipping date when stored as recommended.



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-CD29 antibody	Information: Human CD29 is the beta subunit of an integrin family of molecules expressed on diverse cell types which function as the major receptors for extracellular matrix and as cell-cell adhesion molecules. CD29 can form heterodimer pairs with at least nine different alpha subunits. Antibody 4B7R recognizes the CD29 integrin subunit.
References	Leukocyte Typing V (S.F. Schlossman, et al, eds.) Oxford University Press, Oxford, (1995) p. 1612-1613.

NCBI AND UNIPROT INFORMATION

NCBI GI #	149227986
NCBI GeneID	100055024
Molecular Weight	14,701 Da
NCBI Official Full Name	CD29, partial
NCBI Official Symbol	ITGB1
NCBI Official Synonym Symbols	CD29
NCBI Protein Information	integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12); integrin, beta 1 (fibronectin receptor, beta polypeptide, antigen CD29 includes MDF2, MSK12); integrin beta 1
UniProt Protein Name	CD29
UniProt Entry Name	A8CUR0_HORSE

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-western-blot-elisa/14855>