

Mouse anti-Human CD79b Monoclonal Antibody | anti-CD79b antibody

Anti-Hu CD79b FITC

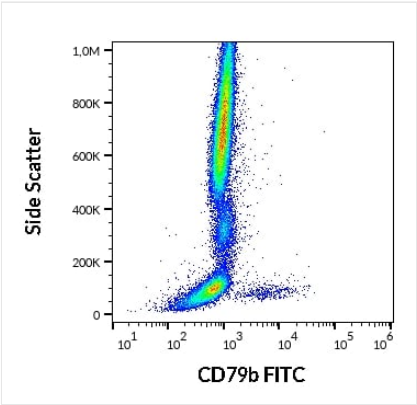
CATALOG # AAA128477	HOST Mouse	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

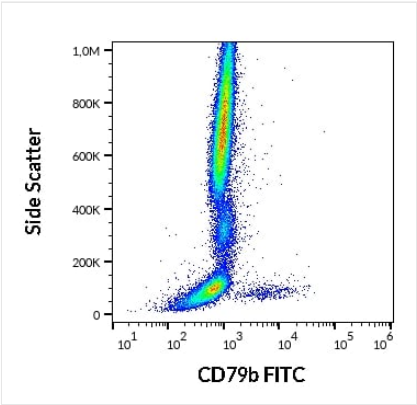
CD79b; Monoclonal Antibody; Anti-Hu CD79b FITC; CD79b molecule; BCR beta; Ig-beta; B29; IGB; anti-CD79b antibody

PRODUCT SPECIFICATIONS

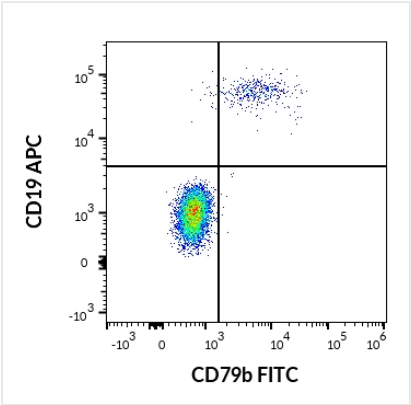
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1 kappa
Clone Number	CB3-1
Specificity	The mouse monoclonal antibody CB3-1 recognizes an extracellular epitope of CD79b (CD79 beta, Ig beta), an approximately 38 kDa component of B cell receptor (BCR) complex.
Purity/Purification	The purified antibody is conjugated with fluorescein isothiocyanate (FITC) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Form/Format	Stabilizing phosphate buffered saline (PBS) solution containing 15 mM sodium azide
Sequence Length	229
Applicable Applications for anti-CD79b antibody	FCM/FACS (Flow Cytometry)
Immunogen	Fraction of Ig-associated molecules isolated from Ramos B cells
Conjugation	FITC
Preparation and Storage	Store in the dark at 2-8 degree C. Do not freeze. Avoid prolonged exposure to light.



FCM/FACS (Flow Cytometry)
Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD79b (CB3-1) FITC antibody (4 ul reagent / 100 ul of peripheral whole blood).



FCM/FACS (Flow Cytometry)
Separation of human CD79b positive B cells (red-filled) from neutrophil granulocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD79b (CB3-1) FITC antibody(4 ul reagent / 100 ul of peripheral whole blood).



FCM/FACS (Flow Cytometry)
Flow cytometry multicolor surface staining pattern of human lymphocytes using anti-human CD19 (LT19) APC antibody (10 ul reagent / 100 ul of peripheral whole blood) and anti-human CD79b (CB3-1) FITC antibody (4 ul reagent / 100 ul of peripheral whole blood).

ADDITIONAL INFORMATION

Related Product Information for anti-CD79b antibody	CD79b (Ig beta, B29) forms disulfide-linked heterodimer with CD79a (Ig alpha, MB1). They both are transmembrane proteins with extended cytoplasmic domains containing immunoreceptor tyrosine activation motives (ITAMs), and together with cell surface immunoglobulin they constitute B-cell antigen-specific receptor (BCR). CD79a and b are the first components of BCR that are expressed developmentally. They appear on pro-B cells in association with the endoplasmic reticulum chaperone calnexin. Subsequently, in pre-B cells, CD79 heterodimer is associated with lambda5-VpreB surrogate immunoglobulin and later with antigen-specific surface immunoglobulins. CD79a/b complex interacts with Src-family tyrosine kinase Lyn, which phosphorylates its cytoplasmic ITAM motives to form docking sites for downstream signaling.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	728994
NCBI GeneID	974
UniProt Accession #	P40259
NCBI Official Full Name	B-cell antigen receptor complex-associated protein beta chain
NCBI Official Synonym Full Names	CD79b molecule
NCBI Official Symbol	CD79B

NCBI Official Synonym Symbols	B29; IGB; AGM6
NCBI Protein Information	B-cell antigen receptor complex-associated protein beta chain
UniProt Protein Name	B-cell antigen receptor complex-associated protein beta chain
UniProt Gene Name	CD79B
UniProt Synonym Gene Names	B29; IGB
UniProt Entry Name	CD79B_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://www.aaabiotech.com/monoclonal/cd79b-antibody-clone-cb3-1-flow-cytometry-elisa/128477>