

anti-Mouse CD79b Monoclonal Antibody | anti-CD79b antibody

Anti-CD79b [HM79-16]

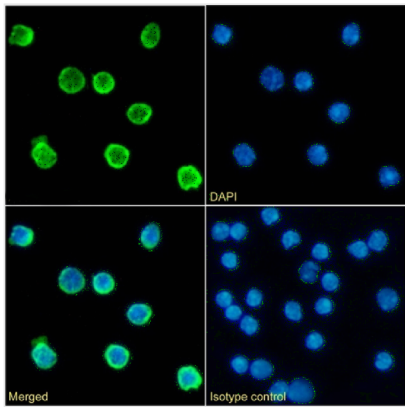
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA72169	Hamster (Armenian)	Mouse	Immunohistochemistry, Immunofluorescence, Immunoprecipitation, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

CD79b; Monoclonal Antibody; Anti-CD79b [HM79-16]; Ig-beta; AGM6; B29; IGB; CD79b molecule;; anti-CD79b antibody

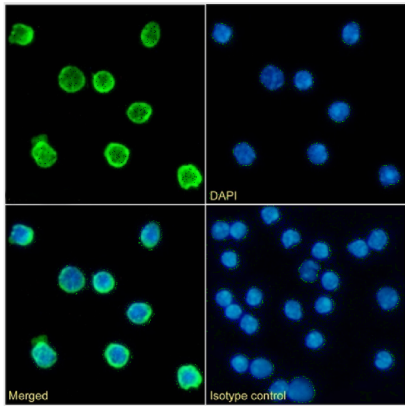
PRODUCT SPECIFICATIONS

Host	Hamster (Armenian)
Reactivity	Mouse
Clonality	Monoclonal
Isotype	Hamster (Armenian) IgG, lambda
Clone Number	HM79-16
Specificity	Reacts with an extracellular epitope of CD79b.
Purity/Purification	Purified antibody. Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-CD79b antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), IP (Immunoprecipitation), FCM/FACS (Flow Cytometry)
PMID	9418137
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.



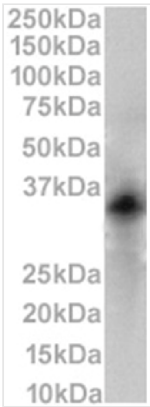
IF (Immunofluorescence)

Immunofluorescence staining of fixed mouse splenocytes with anti-CD79b antibody HM79-16 (AAA72169) Immunofluorescence analysis of paraformaldehyde fixed mouse splenocytes on Shi-fix coverslips stained with the chimeric rabbit IgG version HM79-16 at 10ug/ml for 1h followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom DAPI, merged channels and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor 488 secondary antibody.



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WB (Western Blot)

Western Blot using anti-CD79b antibody HM79-16 (AAA72169) Mouse spleen tissue lysates (35ug protein in RIPA buffer) were resolved on a SDS PAGE gel and blots were probed with the chimeric rabbit version of HM79-16 at 0.1ug/ml before detection using an anti-rabbit secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for anti-CD79b antibody	Recombinant monoclonal antibody to CD79b. Recombinant Platform with variable regions (i.e. specificity) from the hybridoma HM79-16. HM79-16 was initially generated by purifying CD79b from WEHI231 B cells and used for immunisation of footpads of an Armenian hamster. Hybridoma supernatants were screened for positive reactivity in surface immunofluorescence of WEHI231 and then the specificity to CD79b was tested by immuno-precipitationRecombinant anti-CD79 antibodies were engineered by cloning and sequencing the full-length IG heavy and light chains of an Armenian hamster (Cricetulus migratorius).
Product Categories/Family for anti-CD79b antibody	Immunology; Autoimmunity
References	Mariko Koyama et al. CD79alpha/CD79beta heterodimers are expressed on pro-B cell surfaces without associated u heavy chain International Immunology, Vol. 9, No. 11, pp. 1767-1772 1997 Note on publication: Describes the expression of the CD79b and the use of new monoclonal antibodies to detect CD79b on pro-B cell surfaces.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6680375
NCBI GeneID	15985
NCBI Accession #	NP_032365.1
NCBI GenBank Nucleotide #	NM_008339.2
UniProt Accession #	P15530; Q4FJP4
Molecular Weight	25,726 Da
NCBI Official Full Name	B-cell antigen receptor complex-associated protein beta chain
NCBI Official Synonym Full Names	CD79B antigen
NCBI Official Symbol	Cd79b
NCBI Official Synonym Symbols	B29; Igb; Igbeta; Ig-beta
NCBI Protein Information	B-cell antigen receptor complex-associated protein beta chain; immunoglobulin-associated beta; B-cell-specific glycoprotein B29; immunoglobulin-associated B29 protein
UniProt Protein Name	B-cell antigen receptor complex-associated protein beta chain
UniProt Gene Name	Cd79b
UniProt Synonym Gene Names	Igb
UniProt Entry Name	CD79B_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/cd79b-antibody-clone-hm79-16-immunohistochemistry-immunofluorescence-immunoprecipitation-flow-cytometry-elisa/72169>