

Datasheet for ABIN7072739

Recombinant anti-CD79b antibody

2 Images



[Go to Product page](#)

Overview

Quantity:	200 µg
Target:	CD79b (CD79B)
Reactivity:	Mouse
Host:	Rabbit
Antibody Type:	Recombinant Antibody
Clonality:	Chimeric
Conjugate:	This CD79b antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunoprecipitation (IP), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	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-precipitation. Recombinant anti-CD79 antibodies were engineered by cloning and sequencing the full-length IG heavy and light chains of an Armenian hamster (<i>Cricetulus migratorius</i>).
Clone:	HM79-16
Isotype:	IgG lambda
Characteristics:	Original Species of Ab: Hamster, Armenian Original Format of Ab: IgG2

Product Details

Purification: Purified antibody.

Target Details

Target: CD79b (CD79B)

Alternative Name: CD79b ([CD79B Products](#))

Background: Ig-beta, AGM6, B29, IGB, CD79b molecule,

UniProt: [P15530](#)

Pathways: [BCR Signaling](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Comment: This chimeric rabbit antibody was made using the variable domain sequences of the original Armenian Hamster IgG format, for improved compatibility with existing reagents, assays and techniques.

Restrictions: For Research Use only

Handling

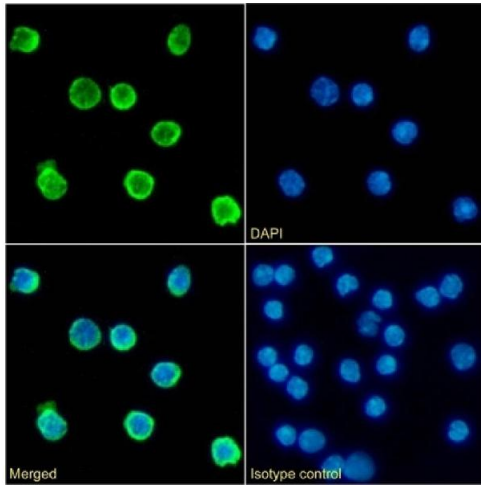
Buffer: PBS with 0.02 % Proclin 300.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

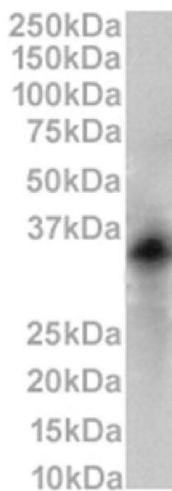
Storage: 4 °C,-20 °C

Storage Comment: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.



Immunofluorescence

Image 1. Immunofluorescence staining of fixed mouse splenocytes with anti-CD79b antibody HM79-16. Immunofluorescence analysis of paraformaldehyde fixed mouse splenocytes on Shi-fix™ coverslips stained with the chimeric rabbit IgG version HM79-16 (ABIN7072739) at 10 µg/mL for 1h followed by Alexa Fluor® 488 secondary antibody (2 µg/mL), showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom ABIN7072739, DAPI, merged channels and an isotype control. The isotype control was an unknown specificity antibody (ABIN5668079) followed by staining with Alexa Fluor® 488 secondary antibody.



Western Blotting

Image 2. Western Blot using anti-CD79b antibody HM79-16. Mouse spleen tissue lysates (35 µg protein in RIPA buffer) were resolved on a SDS PAGE gel and blots were probed with the chimeric rabbit version of HM79-16 (ABIN7072739) at 0.1 µg/mL before detection using an anti-rabbit secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence.