

Anti-CD79b [HM79-16] Standard Size Ab01573-3.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This chimeric mouse antibody was made using the variable domain sequences of the original Hamster IgG2 format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Mouse IgG2b, [Fc Silent™](#), Lambda

Clone Number: HM79-16

Alternative Name(s) of Target: Ig-beta; AGM6; B29; IGB; CD79b molecule;

UniProt Accession Number of Target Protein: P15530

Published Application(s): IP, FC, IF, IHC

Published Species Reactivity: Mouse

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 (*Cricetulus migratorius*).

Specificity: Reacts with an extracellular epitope of CD79b.

Application Notes: A biotinylated HM79-16 was used and stained with streptavidin-FITC for analysis by FACS to identify variants of B lymphoma cell lines that have lost expression of the mu heavy chain, and for staining using a biotinylated HM79-16 (Condon 2000). HM79-16 has also been used in competitive binding assays to study its effect on the binding of CD79a to CD79b in the context of ameliorating autoimmune disease in mice (Yongmei Li 2008).

Antibody First Published in: Mariko Koyama et al. CD79α/CD79β heterodimers are expressed on pro-B cell surfaces without associated μ heavy chain International Immunology, Vol. 9, No. 11, pp. 1767-1772 1997 [PMID:9418137](#)

Note on publication: Describes the expression of the CD79b and the use of new monoclonal antibodies to detect CD79b on pro-B cell surfaces.

Product Form

Size:

200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

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

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.