

Product datasheet for **TA386387**

Cd79b Rabbit Monoclonal Antibody [Clone ID: HM79-16]

Product data:

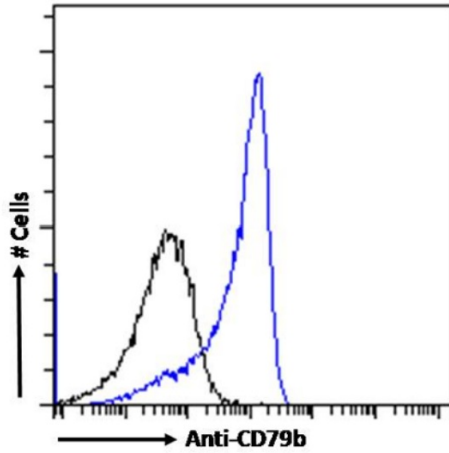
Product Type:	Primary Antibodies
Clone Name:	HM79-16
Applications:	FC, IF, IHC, IP
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Monoclonal
Immunogen:	HM79-16 was initially generated by purifying CD79b from WEHI231 B cells and used for immunisation of footpads of an Armenian hamster. Hybridoma supernatants 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>).
Specificity:	Reacts with an extracellular epitope of CD79b. 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).
Formulation:	PBS with 0.02% Proclin 300.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Please store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Avoid freeze and thaw cycles.
Stability:	3 years from dispatch.
Gene Name:	CD79B antigen
Database Link:	Entrez Gene 15985 Mouse P15530
Synonyms:	B29; Ig-beta; IGB



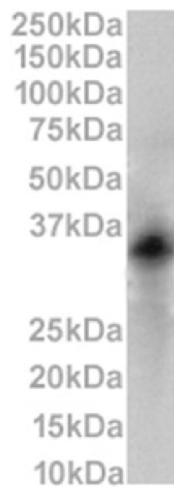
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Note: This chimeric rabbit antibody was made using the variable domain sequences of the original Armenian Hamster IgG format, for improved compatibility with existing reagents, assays and techniques.

Product images:



Flow cytometry using the Anti-CD79b antibody HM79-16 (TA386387). Paraformaldehyde fixed mouse splenocytes were stained with anti-unknown specificity antibody ([TA385792]; isotype control, black line) or the rabbit IgG version of HM79-16 (TA386387, blue line) at a dilution of 1:100 for 1h at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG AlexaFluor® 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.



Western Blot using anti-CD79b antibody HM79-16 (TA386387) Mouse spleen tissue lysates (35µg protein in RIPA buffer) were resolved on a SDS PAGE gel and blots were probed with the chimeric rabbit version of HM79-16 (TA386387) 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.