

Product datasheet for **AM08072PU-N**

Cd79b Hamster Monoclonal Antibody [Clone ID: HM79-12]

Product data:

Product Type:	Primary Antibodies
Clone Name:	HM79-12
Applications:	FC, IHC, IP, WB
Recommended Dilution:	Flow Cytometry: < / = 1 µg/10e6 cells. (Ref.1,2) Immunoprecipitation. (Ref.1) Immunohistochemistry on Frozen Sections. (Ref.3) Western Blotting. (Ref.1)
Reactivity:	Mouse
Host:	Hamster
Isotype:	IgG
Clonality:	Monoclonal
Specificity:	This antibody recognises beta chain of the mouse B-cell receptor (Mr. 23 kDa).
Formulation:	100 mM Borate Buffered Saline, pH 8.2. No preservatives or amine-containing buffer salts added. State: Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD79B antigen
Database Link:	Entrez Gene 15985 Mouse P15530



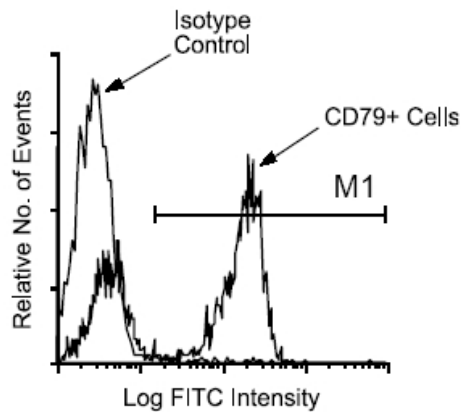
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Background:

Murine CD79 is a 23/21 kDa disulfide-linked heterodimer composed of an alpha chain (CD79a/mb-1) and a beta chain (CD79b/B29) that associates non-covalently with membrane immunoglobulin (Ig) to form the B cell receptor (BCR) complex. Its expression is restricted to B lymphocytes, first appearing on the surface at the pro-B cell stage prior to productive Ig gene rearrangements and remaining through all stages of B-cell differentiation prior to plasma cells. It has been proposed that the CD79 complex on pro-B cell surfaces may function to induce early B-cell differentiation. (Ref.1)

Synonyms:

B29, IGB, B-Cell marker

Product images:

Immunofluorescent Staining: BALB/c splenocytes were incubated with either Hamster IgG (as an Isotype Control) or purified Hamster anti-Mouse CD79, and then stained with Mouse anti-Hamster IgG (H+L)-FITC. Small lymphocytes were gated and analyzed on a FACScan (TM) flow cytometer (BDIS, San Jose, CA). Amount Used: 1 ug/10e6 cells.