

Product datasheet for **AM08164PU-N**

CD79B Mouse Monoclonal Antibody [Clone ID: CB3-1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	CB3-1
Applications:	FC, IHC, IP
Recommended Dilution:	Flow Cytometry: ? 1 µg/10 ⁶ cells. Immunohistochemistry on Frozen Sections (Reported). Immunoprecipitation (Reported in Ref 1,2).
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Ramos B cells.
Specificity:	This antibody reacts with the beta chain of CD79. (Ref.1-4)
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 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 molecule
Database Link:	Entrez Gene 974 Human P40259



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Background:

CD79 is a 23/21 disulfide-linked heterodimer composed of an alpha chain (CD79a/mb-1) and a beta chain (CD79b/B29).

CD79b is the B cell antigen receptor Ig beta chain (BCR Ig beta), which associates with B cell antigen receptor Ig alpha chain to form a functional heterodimer that interacts with membrane immunoglobulin (mIg). The mIgM component binds antigen and the Ig alpha/Ig beta heterodimer transduces signals. CD79 beta is a B cell specific marker, valuable for the detection of B cells at all maturation stages.

Synonyms:

B29, IGB, B-Cell marker