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30-2272: Anti-CD79b Monoclonal Antibody (Clone:HM79)-PE Conjugated(Discontinued)

Clonality :	Monoclonal
Clone Name :	HM79
Application :	FACS, IP, WB, ICC
Reactivity :	Mouse
Conjugate :	PE
Gene :	Cd79b
Gene ID :	15985
Uniprot ID :	P15530
Alternative Name :	Cd79b,Igb
Isotype :	Hamster IgG2
Immunogen Information :	Purified CD79a/b (alpha/beta) dimers from WEHI231 cells

Description

CD79b (Ig beta, B29) forms disulfide-linked heterodimer with CD79a (Ig alpha, MB1). They both are transmembrane proteins with extended cytoplasmic domains containing immunoreceptor tyrosine activation motives (ITAMs), and together with cell surface immunoglobulin they constitute B-cell antigen-specific receptor (BCR). CD79a and b are the first components of BCR that are expressed developmentally. They appear on pro-B cells in association with the endoplasmic reticulum chaperone calnexin. Subsequently, in pre-B cells, CD79 heterodimer is associated with lambda5-VpreB surrogate immunoglobulin and later with antigen-specific surface immunoglobulins. CD79a/b complex interacts with Src-family tyrosine kinase Lyn, which phosphorylates its cytoplasmic ITAM motives to form docking sites for downstream signaling.

Product Info

Amount :	0.1 mg
Storage condition :	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.

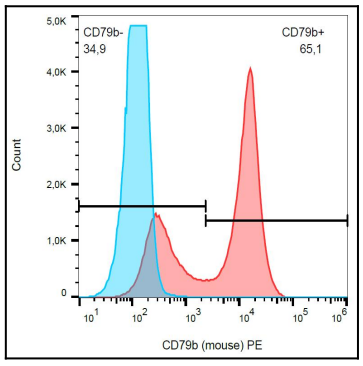


Figure 1: Surface staining of CD79b in murine splenocytes with anti-CD79b (HM79) PE.

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