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30-1480: Anti-CD79b Monoclonal Antibody (Clone:CB3-1)

Clonality :	Monoclonal
Clone Name :	CB3-1
Application :	IP,IHC,FACS,WB
Reactivity :	Human
Gene :	CD79B
Gene ID :	974
Uniprot ID :	P40259
Format :	Purified
Alternative Name :	CD79B,B29,IGB
Isotype :	Mouse IgG1
Immunogen Information :	Fraction of Ig-associated molecules isolated from Ramos B 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
Purification :	Purified by protein-A affinity chromatography
Storage condition :	Store at 2-8°C. Do not freeze.

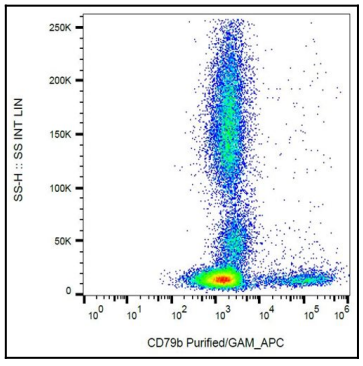


Figure 1: Flow cytometry analysis (surface staining) of CD79b in human peripheral blood with anti-CD79b (CB3-1) purified / GAM-APC.

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