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30-2028: Anti-CD79a Monoclonal Antibody (Clone:HM57)-FITC Conjugated

Clonality :	Monoclonal
Clone Name :	HM57
Application :	FACS, IHC, IHC-Fr
Reactivity :	Human, Pig, Mouse, Rat, Bovine, Equine, Guinea pig, Opossum, Rabbit, Chicken
Conjugate :	FITC
Gene :	CD79A
Gene ID :	973
Uniprot ID :	P11912
Alternative Name :	CD79A,IGA,MB1
Isotype :	Mouse IgG1
Immunogen Information :	Synthetic peptide corresponding to amino acids 202-216 of human CD79a

Description

CD79a (Ig alpha, MB1) forms disulfide-linked heterodimer with CD79b (Ig beta). 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. At the plasma cell stage, CD79a is present as an intracellular component. 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 :	100 tests
Storage condition :	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.

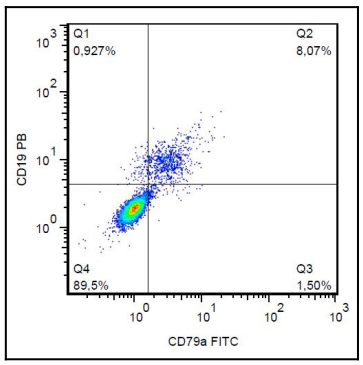


Figure 1: Intracellular staining of CD79a in human peripheral blood with anti-CD79a (HM57) FITC.

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