

Mouse anti-Hu CD79a Purified, clone HM57 (Monoclonal)

Clone no. HM57

MONOSAN

Product name	Mouse anti-Hu CD79a Purified, clone HM57 (Monoclonal)
Host	Mouse
Applications	FC , IHC-P, IHC-Fr
Species reactivity	Chicken, Rabbit, Opossum, Guinea pig, Horse, Cow, Pig, Mouse, Rat, Human
Conjugate	-
Immunogen	Synthetic peptide corresponding to amino acids 202-216 of human CD79a
Isotype	IgG1
Clonality	Monoclonal
Clone number	HM57
Size	0.1 mg
Concentration	1 mg/ml
Format	Purified by protein-A affinity chromatography.
Storage buffer	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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Additional info

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.

SpecificityThe mouse monoclonal antibody CB3-1 recognizes an extracellular epitope of CD79b (CD79 beta, Ig beta), an approximately 38 kDa component of B cell receptor (BCR) complex.

Application detailsFlow cytometry: Recommended dilution: 5 µg/ml.
Intracellular staining.
Immunohistochemistry (paraffin sections): Recommended dilution: 10 µg/ml.
Immunohistochemistry (frozen sections): Recommended dilution: 10 µg/ml.

References

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