Anti-Human CD79a (HM57)



	REF	$\sum_{i=1}^{n}$	\bigcirc	[A]		5.
FITC PE APC	79AF-100T 79APE-100T 79AA-100T	100 test 100 test 100 test	20 µL/test 20 µL/test 20 µL/test	0,05 mg/ml 0,05 mg/ml	RUO	
						:
	Isotype: IgGI; Tested application: flo Immunogen: The an corresponding to 202	ti-CD79a mono	,	,	etic peptide	

Species reactivity: Human:

Storage instruction: store in the dark at 2-8 °C:

Storage buffer: aqueous buffered solution containing protein stabilizer and 0.09% sodium azide (NaN₂);

Recommended usage: Immunostep's CD79a, clone HM57, is a monoclonal antibody intended for the identification and enumeration of B lymphocytes using flow cytometry. This reagent is effective for direct immunofluorescence staining of human tissue for flow cytometric analysis using 1 test for 10⁶ cells;

Presentation: liquid;

Source: Supernatant proceeding from an in vitro cell culture of a cell hybridoma; Purification: Affinity chromatography; Other names: Mb-l, Iga; Gene ID: 973;

Molecular weight: 47 kDa.

2. ANTIGEN DETAILS

Large description: This antibody reacts with the CD79a-antigen. CD79a associates with CD79b to form part of the B-cell receptor complex. It has been suggested that CD79a may play a role in mediating the transport of IgM to the cell surface. This antibody has been found to react on permeabilized A2O cells (mouse B cell line). CD79a (Iq 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.⁽¹⁻³⁾

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REFERENCES

- 1. Sakaguchi N, Kashiwamura S, Kimoto M, Thalmann P, Melchers F, B lymphocyte lineagerestricted expression of mb-1, a gene with CD3-like structural properties. EMBO J1988 Nov;7(11):3457-64.
- Mason DY, Cordell JL, Tse AG, van Dongen JJ, van Noesel CJ, Micklem K, et al. The IgM-2. associated protein mb-1 as a marker of normal and neoplastic B cells. J Immunol1991 Dec 01:147(11):2474-82.
- З. Schlossman SF. Leucocyte typing V : white cell differentiation antigens : proceedings of the Fifth International Workshop and Conference : held in Boston, USA, 3-7 November, 1993. Oxford: Oxford University Press; 1995.

6. **EXPLANATION OF SYMBOLS**

\ ∎∕	Form
REF	Catalog reference
∑∑	Contains sufficient for > test
\bigcirc	Quantity per test
	Regulatory Status
RUO	Research Use Only
[A]	Concentration
	Manufacturer

7. MANUFACTURED BY:

IMMUNOSTEP S.L.

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