

## CD79b (CB3-1)

Type	Size	Catalog number
FITC	25 Tests	109814
	100 Tests	109815
	200 Tests	109816
PE	25 Tests	109824
	100 Tests	109825
	200 Tests	109826
APC	25 Tests	109844
	100 Tests	109845
	200 Tests	109846
PE-Cyanine7	25 Tests	109884
	100 Tests	109885
	200 Tests	109886
iFluor™488	25 Tests	1098114
	100 Tests	1098115
	200 Tests	1098116
iFluor™647	25 Tests	1098124
	100 Tests	1098125
	200 Tests	1098126
mFluor™450	25 Tests	1098144
	100 Tests	1098145
	200 Tests	1098146

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**Antigen:** CD79b  
**Immunogen:** Purified CD79αβ from Ramos B Cell Line  
**Host/Isotype:** Mouse, IgG1,κ  
**Reactivity:** Human  
**Purity:** >90% pure tested via polyacrylamide gel electrophoresis (PAGE)  
**Formulation:** PBS, pH7.2, 0.09% NaN<sub>3</sub> and 0.2% (w/v) BSA  
**Storage:** Store at 2-8°C and protected from prolonged exposure to light. **Do not freeze.**  
**Applications:** Flow Cytometry.

### Application Information

Each lot was pre-titrated and tested by flow cytometric so that 5μl of this product will stain 1 million cells in a 100μl staining volume or 100μl of whole blood. Antibody reactivity should be empirically titrated for optimal performance for the application of interest.

### Antigen Information

The clone CB3-1, a mouse monoclonal antibody recognizes a 37-39 kD type I integral membrane protein known as CD79. CD79 is a heterodimeric molecule comprised of an alpha-chain (CD79a) and a beta-chain (CD79b). It is non-covalently associated with the CD79a and cell surface IgM to form the B-cell receptor (BCR) complex. CD79b expression is exclusive to B lymphocytes and B cell lymphomas. It can be expressed either in the cytoplasm or on the cell surface depending on the maturation state of the B cells. The CD79 receptor complex triggers numerous signaling pathways to mediate B cell development, maintenance, and activation.

**References**

1. Nakamura, T, et al. 1992. *Proc Natl Acad Sci USA*. 89:8522-6.
2. Nakamura, T, et al. 1993. *Int. Immunol*. 5:1309-1315.
3. Sanchez, M, et al. 1993. *J. Exp. Med*. 178:1049-1055.
4. Ezequiel, M, et al. 2006. *J. Immunol*. 177:7913-7922.

**Terms and Conditions**

This is a product meant for research use only (RUO) and not intended for diagnostic testing.