Caprico Biotechnologies

TECHNICAL DATA SHEET

CD79b (CB3-1)

Type	Size	Catalog number
iFluor™488	25 Tests	1098114
	100 Tests	1098115
	200 Tests	1098116

❖ iFluor is a trademark of AAT Bioquest, Inc.

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_3 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.

Caprico Biotechnologies, 400 Pinnacle Way, Suite 430, Norcross, GA 30071
Phone: +1 (678) 691-2143 Technical Support Ext 102, Fax: (678) 691-2223
Email: techsupport@capricobio.com
www.CapricoBio.com