

**CD19 (C-BL02)**

Type	Size	Catalog number
Unconjugated	100µg	116701
	500µg	116703
iFluor™ 488	25 tests	1167114
	100 tests	1167115
	200 tests	1167116

❖ iFluor is a trademark of AAT Bioquest, Inc.

<b>Antigen:</b>	CD19
<b>Immunogen:</b>	Human NALM1+NALM16 cells
<b>Host/Isotype:</b>	Mouse, IgG1,κ
<b>Reactivity:</b>	Human
<b>Purity:</b>	>90% pure tested via polyacrylamide gel electrophoresis (PAGE)
<b>Formulation:</b>	PBS, pH7.2, 0.09%NaN <sub>3</sub> (unconjugated, Biotin) PBS, pH7.2, 0.09% NaN <sub>3</sub> and 0.2% (w/v) BSA (conjugated)
<b>Storage:</b>	Store at 2-8°C and protected from prolonged exposure to light. <b>Do not freeze.</b>
<b>Applications:</b>	Flow Cytometry

**Application Information**

Each lot of these antibodies has been pre-titrated and tested by flow cytometric analysis of human PBMCs such that 0.5µg (unconjugated, Biotin) or 5µl (conjugated) of these products are sufficient for staining 1 million cells in a 100µl staining volume or 100µl of whole blood. It is recommended to titrate antibody reactivity empirically for optimal performance.

**Antigen Information**

The clone C-BL02, a mouse monoclonal antibody specifically recognizes a 95-kDa human type I transmembrane glycoprotein antigen known as CD19. It is a member of the immunoglobulin superfamily and expressed on B cells in all maturation and activation stages. CD19 is not expressed in resting or activated T lymphocytes, granulocytes, or monocytes in normal health condition. It plays important role in the development, activation, and differentiation processes of B cells through forming a CD21/CD19/CD81 B cell receptor complex.

**References**

1. Tedder TF, et al. 1994. Immunol. Today 15:437.
2. Bradbury L, et al. 1993. J. Immunol. 151:2915.
3. Loken MR, et al. 1987. Blood. 70:1316.
4. Mongini PK, et al. 2003. J. Immunol. 171:5244.

**Terms and Conditions**

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