

cFluor[®] BYG610 Anti-Human CD11b (ICRF44)

PRODUCT DETAILS	
Catalog Number:	R7-20335 (100 tests) R7-20336 (25 tests)
Reactivity:	Human, Baboon, Chimpanzee, Cynomolgus Monkey, Rhesus Monkey
Clone:	ICRF44
Format:	cFluor [®] BYG610 ¹
Isotype:	Mouse IgG1, κ
Test Dilution:	5 μ L / test
Application:	Flow cytometry
Formulation:	Phosphate-buffered saline, pH 7.2, containing 0.09% sodium azide and 0.2% BSA (BSA Country of Origin USA)
Storage:	2-8°C and protected from light. Do not freeze

PRODUCT DESCRIPTION

The ICRF44 monoclonal antibody reacts with human CD11b, a 165-170 kD type I transmembrane glycoprotein also known as α M integrin, Mac-1, CR3, and C3biR. CD11b associated with integrin β 2 (CD18) is expressed on the surface of monocytes, granulocytes, activated lymphocytes and a subset of NK cells. CD11b is a receptor for intercellular adhesion molecule family members CD54, CD102 and CD50 as well as for iC3b. These adhesions are crucial in cell-cell and cell-matrix interactions.

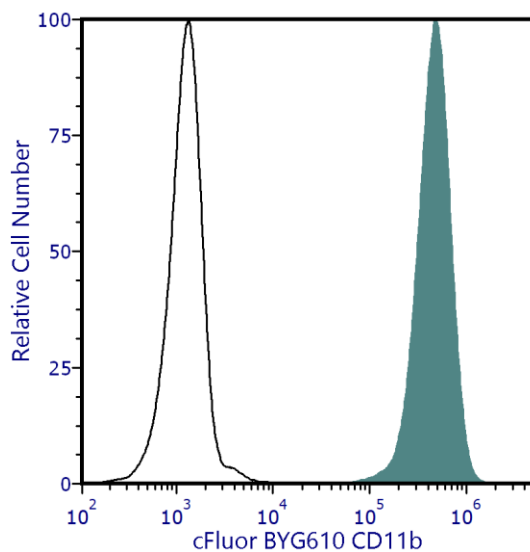
RECOMMENDED USAGE

Each lot of this antibody is quality control tested using flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 μ L per 1 million cells in a staining volume of 100 μ L. If whole blood is analyzed, then use 5 μ L per 100 μ L. It is recommended that users titrate the antibody to obtain the optimal result for their specific application.

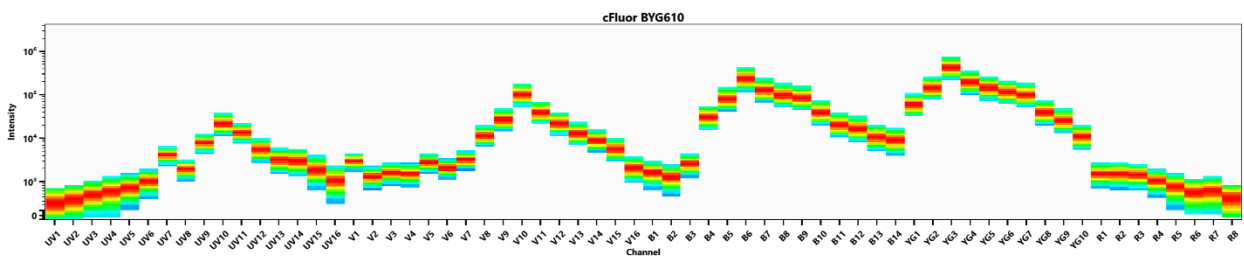
Please briefly centrifuge the reagent vial before use.

Use appropriate personal protective equipment per the product safety data sheet when using this product.

PRODUCT DATA



Human peripheral blood was stained with cFluor® BYG610 Anti-Human CD11b (clone ICRF44) (filled histogram) or cFluor® BYG610 mouse IgG1, κ isotype control (open histogram). Data shown is gated on granulocytes.



Spectral signature of cFluor® BYG610 from a Cytek® Aurora 5 laser system equipped with 355, 405, 488, 561 and 640 nm lasers using CytekAssaySetting.

REFERENCES

1. Knapp W. 1989. Leucocyte Typing IV. Oxford University Press New York.
2. Barclay N, et al. 1997. The Leucocyte Antigen Facts Book. Academic Press Inc. San Diego.
3. Marsik C, et al. 2003. Shock 20:493.
4. Charles N, et al. 2010. Nat. Med. 16:701.
5. Thurlow LR, et al. 2010. Infect. Immun. 128:1128.
6. Sestak K, et al. 2007. Vet. Immunol. Immunopathol. 119:21.
7. Wen T, et al. 2014. J Immunol. 192:5481.

For Research Use Only. Not intended for use in diagnostic procedures.

¹ cFluor® BYG610 a tandem dye made with R-PE. Caution – Tandem dyes may show changes in their emission spectra with prolonged exposure to light or fixatives.