

cFluor[®] B515 Anti-Human CD5 (L17F12)

PRODUCT DETAILS	
Catalog Number:	R7-20141 (100 tests) R7-20142 (25 tests)
Reactivity:	Human
Clone:	L17F12
Format:	cFluor [®] B515*
Isotype:	Mouse IgG2a, κ
Volume Per Test:	5 µL / 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 L17F12 monoclonal antibody binds to human CD5, a 67-kDa single chain type I glycoprotein in the scavenger receptor family ⁽¹⁾⁽²⁾. CD5, also known as Leu-1, Ly-1 or T1, is expressed on thymocytes, T cells and subsets of B cells. CD5 binds to its ligand on B cells, CD72 (LYB-2), to play a role in T-B cell interaction and to modulate the intensity of antigen receptor signal transduction ⁽³⁾. The antibody was conjugated to a fluorophore and purified by affinity chromatography.

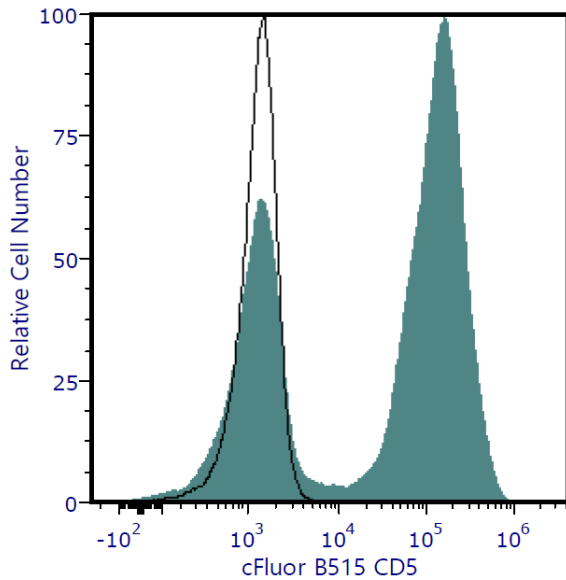
RECOMMENDED USAGE

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 µL per 1 million cells in a staining volume of 100 µL. If whole blood is analyzed, then use 5 µL per 100 µL. 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.

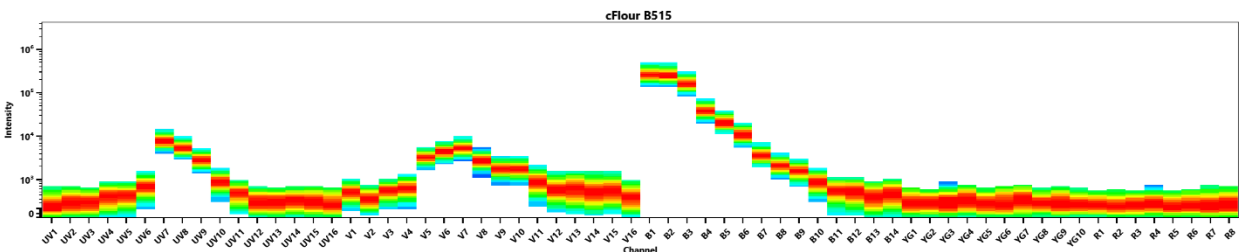
Use appropriate personal protective equipment per the product safety data sheet when using this product.

PRODUCT DATA



Human peripheral blood was stained with cFluor® B515 Anti-Human CD5 (clone L17F12) (filled histogram) or cFluor® B515 mouse IgG2a, κ isotype control (open histogram). Data shown is gated on lymphocytes.

Spectral signature of cFluor® B515 from a Cytex® Aurora 5 laser system equipped with 355 nm, 405 nm, 488 nm, 561 nm and 640 nm lasers using CytexAssaySettings.



REFERENCES

1. Engleman EG, et al. 1981. Proc Natl Acad Sci USA. 78(3):1791-5
2. Velasco-de Andrés, María et al. 2020. Cells vol. 9,12 2589
3. Tabbekh, Mouna et al. 2013. *Oncoimmunology* vol. 2,1

*cFluor® B515 is equivalent to CF®488A manufactured and provided by Biotium, Inc. under an Agreement between Biotium and Cytex (LICENSEE). The manufacture, use, sale, offer for sale, or import of the product is covered by one or more of the patents or pending applications owned or licensed by Biotium. The purchase of this product includes a limited, non-transferable immunity from suit under the foregoing patent claims for using only this amount of product for the purchaser's own internal research. No right under any other patent claim, no right to perform any patented method, and no right to perform commercial services of any kind, including without limitation reporting the results of purchaser's activities for a fee or other commercial consideration, is conveyed expressly, by implication, or by estoppel.

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