

cFluor® R720 Anti-Human CD5 (L17F12)

PRODUCT DETAILS	
Catalog Number:	R7-20095 (100 tests) R7-20096 (25 tests)
Reactivity:	Human
Clone:	L17F12
Format:	cFluor® R720*
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.

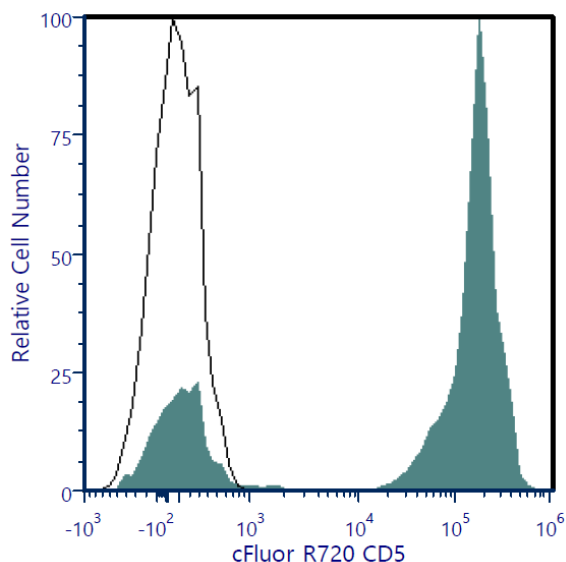
RECOMMENDED USAGE

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.

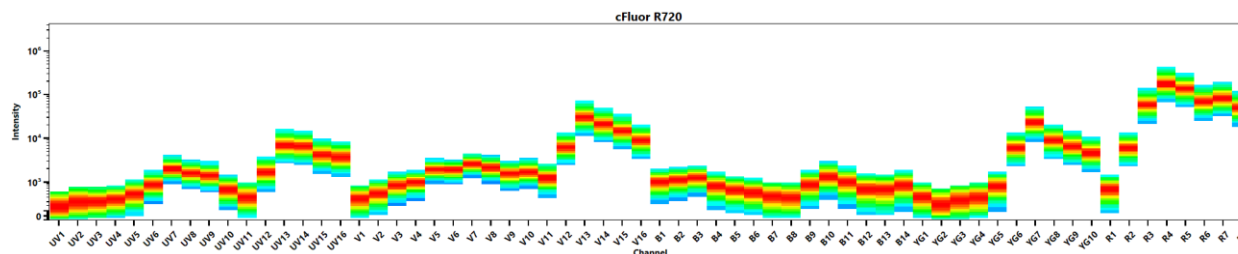
Use appropriate personal protective equipment per the product safety data sheet when using this product.

PRODUCT DATA



Human peripheral blood was stained with cFluor® R720 Anti-Human CD5 (clone L17F12) (filled histogram) or cFluor® R720 mouse IgG2a, κ isotype control (open histogram). Data shown is gated on lymphocytes.

Spectral signature of cFluor® R720 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

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