

## cFluor<sup>®</sup> R720 Anti-Human CD2 (RPA-2.10)

PRODUCT DETAILS	
<b>Catalog Number:</b>	R7-20143 (100 tests) R7-20144 (25 tests)
<b>Reactivity:</b>	Human, African Green, Baboon, Capuchin Monkey, Chimpanzee, Cynomolgus, Pigtailed Macaque, Rhesus, Swine (Pig, Porcine)
<b>Clone:</b>	RPA-2.10
<b>Format:</b>	cFluor <sup>®</sup> R720*
<b>Isotype:</b>	Mouse IgG1, κ
<b>Volume Per Test:</b>	5 µL / test
<b>Application:</b>	Flow cytometry
<b>Formulation:</b>	Phosphate-buffered saline, pH 7.2, containing 0.09% sodium azide and 0.2% BSA (BSA Country of Origin USA)
<b>Storage:</b>	2-8°C and protected from light. <b>Do not freeze</b>

### PRODUCT DESCRIPTION

The RPA-2.10 monoclonal antibody binds to human CD2, a 50-kDa type I transmembrane glycoprotein <sup>(1)(2)</sup>. CD2, also known as LFA-2, T11, and sheep red blood cell receptor (SRBC-R), is expressed on thymocytes, T lymphocytes, NK cells, and thymic B cell subsets. The major ligand for CD2 is CD58 (also known as LFA-3). CD2 has also been reported to bind CD48, CD59, and CD15. CD2 plays a critical role in alternative T cell activation, T cell signaling, and cell-cell adhesion <sup>(3)</sup>. The antibody was conjugated to a fluorophore and purified by affinity chromatography.

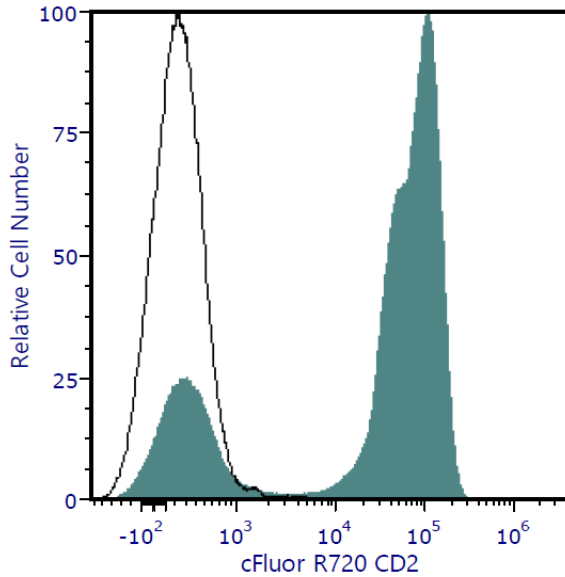
### RECOMMENDED USAGE

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.

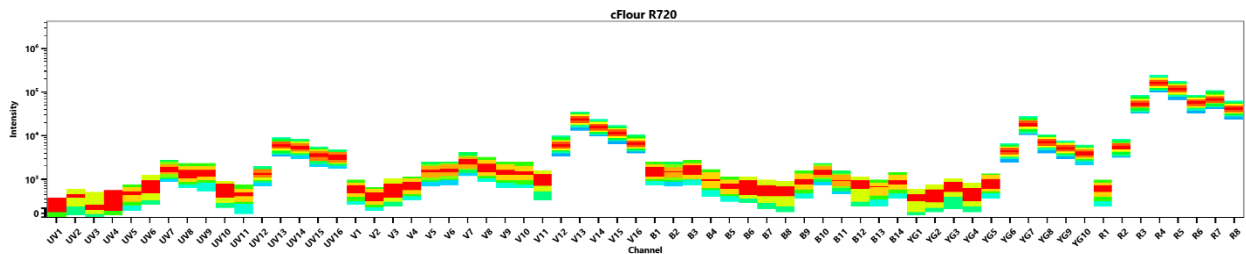
Use appropriate personal protective equipment per the product safety data sheet when using this product.

PRODUCT DATA



Human peripheral blood was stained with cFluor® R720 Anti-Human CD2 (clone RPA-2.10) (filled histogram) or cFluor® R720 mouse IgG1, 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. Moingeon P, et al. 1989. Immunol Rev. Oct; 111: 111-44
2. Schraven B. J Biol Regul Homeost Agents. 2000 Jul-Sep;14(3):223-5
3. Binder C, et al. Front Immunol. 2020 Jun 9; 11: 1090

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