

## 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 solution, pH 7.2, containing 0.09% sodium azide and 0.2% BSA (Origin USA)
<b>Storage:</b>	2-8°C and protected from light. <b>Do not freeze</b>

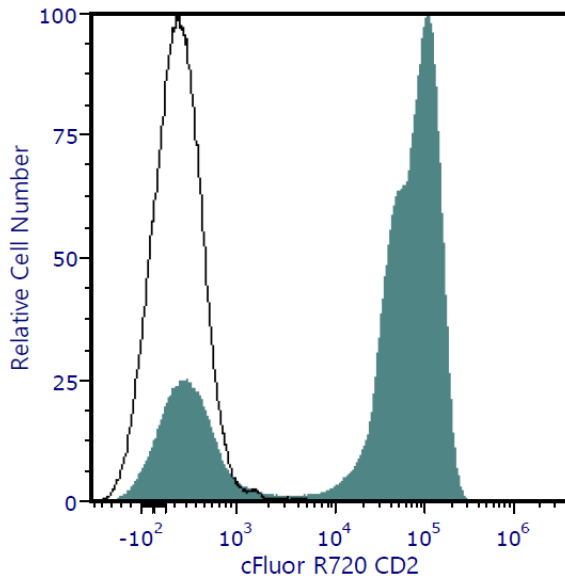
### PRODUCT DESCRIPTION

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

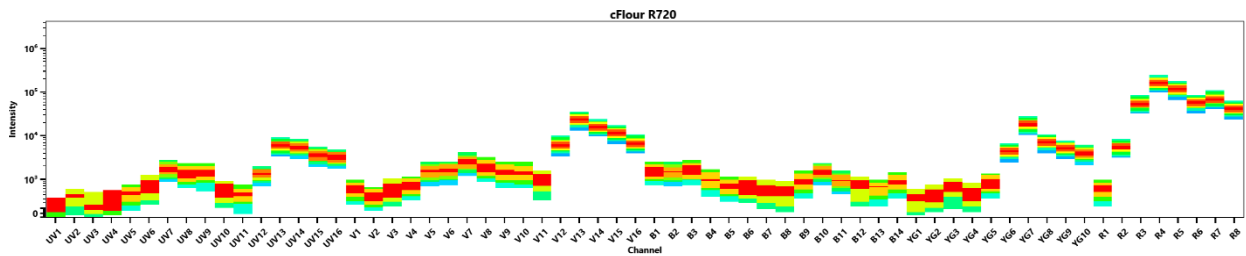
Each lot of this antibody is quality control tested using flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 µL per 1 million cells in a staining volume of 100 µL. If whole blood is analyzed, then use 5 µL per 100 µL. It is recommended that users titrate the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

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

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

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