

cFluor[®] R659 Anti-Human CD13 (WM15)

PRODUCT DETAILS	
Catalog Number:	R7-20305 (100 tests) R7-20306 (25 tests)
Reactivity:	Human, Baboon, Chimpanzee, Cotton-topped Tamarin
Clone:	WM15
Format:	cFluor [®] R659
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 WM15 monoclonal antibody binds to withCD13, a 150-170 kD type II transmembrane glycoprotein also known as aminopeptidase N, APN, and gp150. This zinc metallopeptidase is expressed as a homodimer on granulocytes, myeloid progenitors, endothelial cells, epithelial cells and on a subset of granular lymphoid cells. It is not expressed on platelets or erythrocytes. CD13 is thought to be involved in the metabolism of many regulatory peptides and functions in antigen processing and the cleavage of chemokines such as MIP-1. CD13 acts as the cellular receptor for Coronavirus. The antibody was conjugated to a fluorophore and purified by chromatography.

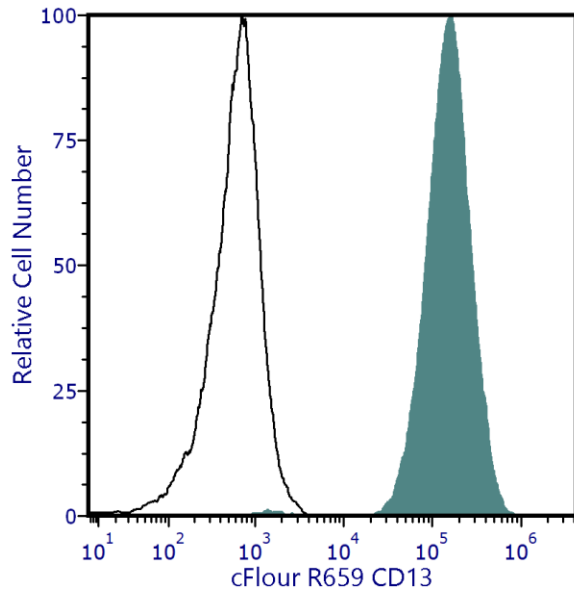
RECOMMENDED USAGE

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 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.

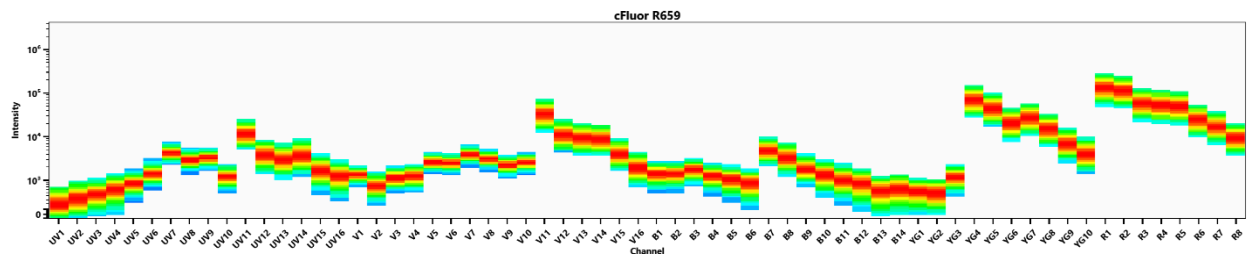
Please briefly centrifuge the reagent vial before use.

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

PRODUCT DATA



Human peripheral blood stained with cFluor® R659 Anti-Human CD13 (clone WM15) (filled histogram) or cFluor® R659 mouse IgG1, κ isotype control (open histogram). Data shown is gated on monocytes.



Spectral signature of cFluor® R659 from a Cytek® Aurora 5 laser system equipped with 355, 405, 488, 561 and 640 nm lasers using CytekAssaySetting.

REFERENCES

1. Knapp W, et al. 1989. Leucocyte Typing IV. Oxford University Press. New York.
2. Saiki I, et al. 1993. Int J Cancer. 54:137.
3. Rosenzweig M, et al. 2000. Blood 95:453.
4. Kawase M, et al. 2008. J Virol. 83:712.

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