

cFluor® R668 Anti-Human CD1c (L161)

PRODUCT DETAILS	
Catalog Number:	R7-20119 (100 tests) R7-20120 (25 tests)
Reactivity:	Human, African Green, Baboon, Cynomolgus, Rhesus
Clone:	L161
Format:	cFluor® R668*
Isotype:	Mouse IgG1, 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 L161 monoclonal antibody binds to human, CD1c, a 43-kDa type I transmembrane glycoprotein in immunoglobulin superfamily. CD1c, also known as BDCA-1, R7 or M241, is structurally related to MHC class I, forms heterodimers with beta-2 microglobulin¹. CD1c is an antigen-presenting protein that presents glycolipids to T cell^{2,3}. The molecule is expressed on thymocytes, dendritic cells, Langerhans cells, monocytes, mature T cells and circulating and marginal zone B cells. The antibody was conjugated to a fluorophore and purified by affinity chromatography.

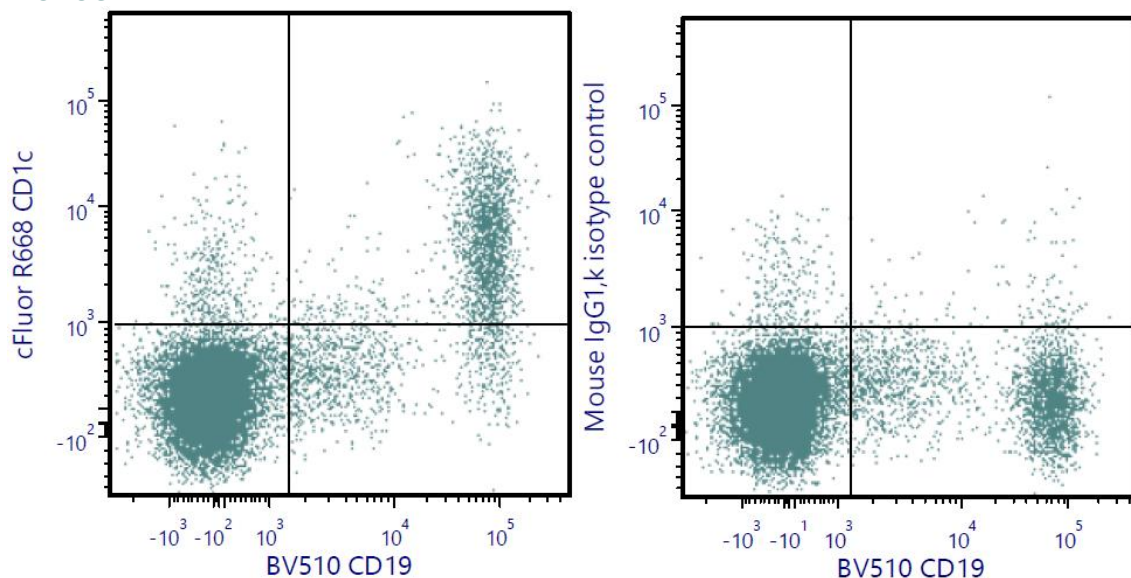
RECOMMENDED USAGE

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.

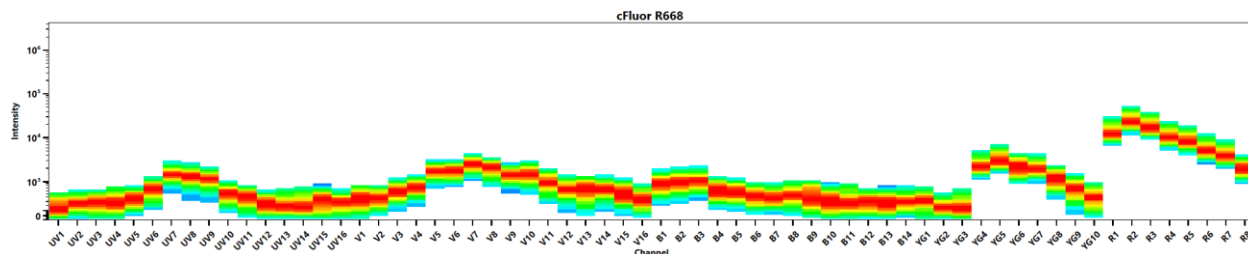
Use appropriate personal protective equipment per the product safety data sheet when using this product.

PRODUCT DATA



Human peripheral blood was stained with CD19-BV510 and cFluor® R668 Anti-Human CD1c (clone L161) (left) or cFluor® R668 mouse IgG1, κ isotype control (right). Data shown is gated on lymphocytes.

Spectral signature of cFluor® R668 from a Cytek® Aurora 5 laser system equipped with 355, 405, 488, 561 and 640 nm lasers using CytekAssaySetting.



REFERENCES

1. Bauer A, et al. 1997. Eur J Immunol. (6):1366-73
2. Adams EJ, et al. 2013. Mol Immunol. 55(2):182-5
3. Grant EP, et al. 1999. J Exp Med. 4;189(1):195-205

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