cFluor® V450 Anti-Human CD45RA (HI100)

PRODUCT DETAILS	
Catalog Number:	R7-20121 (100 tests) R7-20122 (25 tests)
Reactivity:	Human
Clone:	HI100
Format:	cFluor® V450
Isotype:	Mouse IgG2b, 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 HI100 monoclonal antibody binds to the 220 kDa isoform of the human leukocyte common antigen. CD45RA is an isoform of CD45 due to alternate splicing[1]. CD45RA is expressed on naïve or resting CD4+ and CD8+ T cells, as well as on a subset of activated T cells[2,3]. The associated tyrosine phosphatase activity regulates signal transduction processes during hematopoiesis and immune responses[4].The antibody was conjugated to a fluorophore and purified by affinity chromatography.

RECOMMENDED USAGE

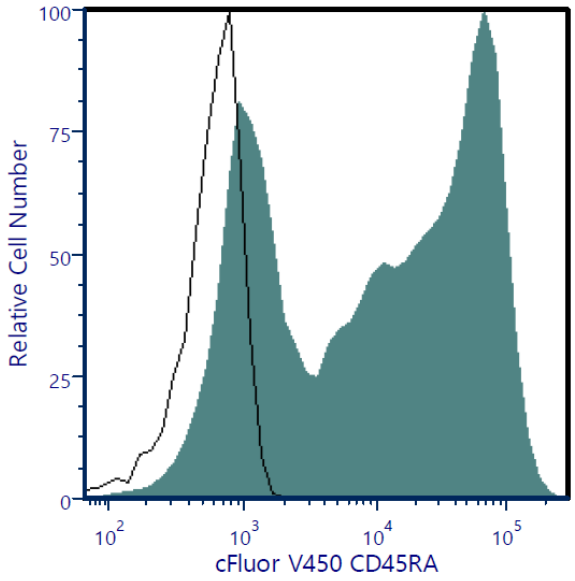
Each lot of this antibody is quality control tested using flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 µL per 1 million cells in a staining volume of 100 µL. If whole blood is analyzed, then use 5 µL per 100 µL. It is recommended that users titrate the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

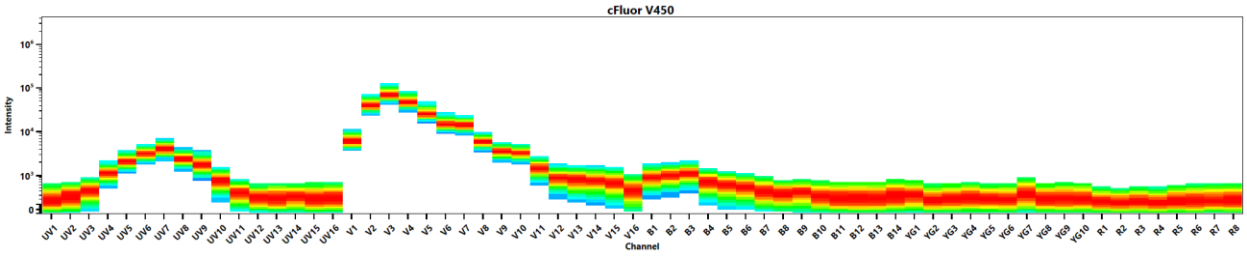
Cytek Biosciences Inc. I 47215 Lakeview Boulevard, Fremont, CA 94538
Phone: +1 (510) 657-0102 I Fax: +1 (510) 657-0151 I cytekbio@cytekbio.com I www.cytekbio.com

PRODUCT DATA



Human peripheral blood was stained with cFluor® V450 Anti-Human CD45RA (clone HI100) (filled histogram) or cFluor® V450 mouse IgG2b, κ isotype control (open histogram). Data shown is gated on lymphocytes.

Spectral signature of cFluor® V450 from a Cytek® Aurora 5 laser system equipped with 355, 405, 488, 561 and 640 nm lasers using CytekAssaySetting.



REFERENCES

1. Streuli M et al. J. Exp. Med. 166, 1548 (1987)
2. Fujii Y et al. Eur J Immunol 7, 1843 (1987)
3. Rothstein DM et al. Cell Immunol. 129, 449 (1990)
4. Hermiston ML et al. Annu Rev Immunol. 21, 107 (2003)

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

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