

## cFluor<sup>®</sup> V547 Anti-Human CD45 (HI30)

PRODUCT DETAILS	
<b>Catalog Number:</b>	R7-20011 (100 tests) R7-20012 (25 tests)
<b>Reactivity:</b>	Human, Chimpanzee
<b>Clone:</b>	HI30
<b>Format:</b>	cFluor <sup>®</sup> V547*
<b>Isotype:</b>	Mouse IgG1, $\kappa$
<b>Volume Per Test:</b>	5 $\mu$ L / 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 HI30 monoclonal antibody binds to isoforms of human CD45, a 180-240-kDa type I membrane glycoprotein, also known as LCA (leukocyte common antigen). CD45 is the first and prototypic receptor-like protein tyrosine phosphatase that expresses on all human leukocytes<sup>1,2</sup>. It is absent on mature erythrocytes, platelets and non-hematopoietic cells. The antibody was conjugated to a fluorophore and purified by affinity chromatography.

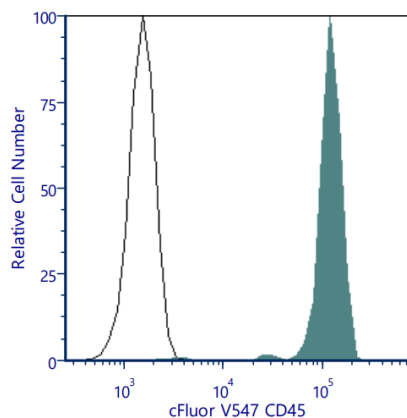
### RECOMMENDED USAGE

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  $\mu$ L per 1 million cells in a staining volume of 100  $\mu$ L. If whole blood is analyzed, then use 5  $\mu$ L per 100  $\mu$ L. It is recommended that users titrate the antibody to obtain the optimal result for their specific application.

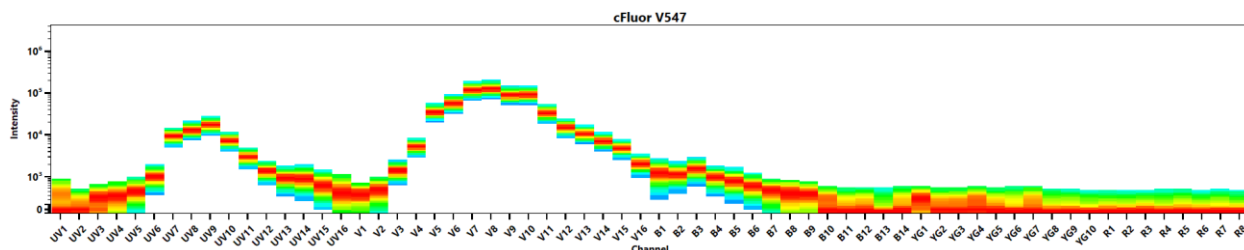
Please briefly centrifuge the reagent vial before use.

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

PRODUCT DATA



Human peripheral blood was stained with cFluor® V547 CD45 (clone HI30) (filled histogram) or mouse cFluor® V547 IgG1, κ isotype control (open histogram). Data shown is gated on lymphocytes.



Spectral signature of cFluor® V547 from a Cytex® Aurora 5 laser system equipped with 355, 405, 561 and 640 nm lasers using CytexAssaySetting.

REFERENCES

1. Terry LA, et al. 1990. Immunology. 64:331
2. Hermiston ML, et al. 2003. Annu Rev Immunol. 21:107

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