

## cFluor™ V450 Anti-Human CD14 (M5E2)

PRODUCT DETAILS	
<b>Catalog Number:</b>	R7-20003 (100 tests) R7-20004 (25 tests)
<b>Reactivity:</b>	Human, Capuchin Monkey, Chimpanzee, Common Marmoset, Cotton-Topped Tamarin, Cow, Cynomolgus, Dog, Pigtailed Macaque, Rhesus, Squirrel Monkey
<b>Clone:</b>	M5E2
<b>Format:</b>	cFluor™ V450
<b>Isotype:</b>	Mouse IgG2a, 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>

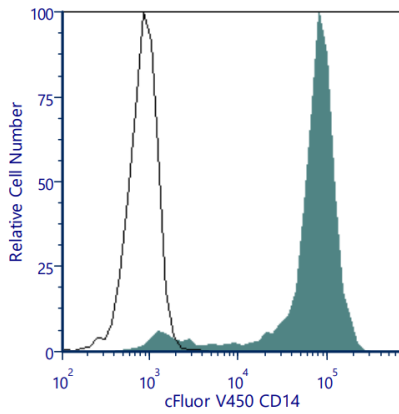
### PRODUCT DESCRIPTION

The M5E2 monoclonal antibody binds to human CD14, a 53-55-kDa glycosylphosphatidylinositol (GPI)-linked membrane glycoprotein that works as a receptor on myeloid cells for ligands such as lipopolysaccharide (LPS)<sup>1</sup>. It is found that CD14 is a receptor for and binds to complexes of LPS and LBP with high affinity<sup>2</sup>. It expresses on monocytes and macrophages at high levels. It is also present in some interfollicular dendritic cells and macrophages, reticular dendritic cells and Langerhans cells. The antibody was conjugated to a fluorophore and purified by affinity chromatography.

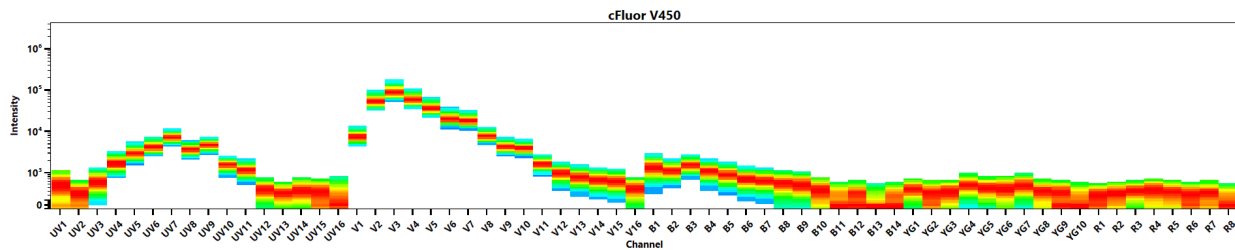
### RECOMMENDED USAGE

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.

PRODUCT DATA



Human peripheral blood was stained with cFluor™ V450 CD14 (clone M5E2) (filled histogram) or mouse cFluor™ V450 IgG2a, κ (open histogram). Data shown is gated on monocytes.



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

REFERENCES

1. Pugin J, et al. 1998. Infect Immun. 66:1174
2. Wright SD, et al. 1990. Science. 249:1431

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