

## cFluor<sup>®</sup> UV790 Anti-Human CD14 (MEM-18)

PRODUCT DETAILS	
<b>Catalog Number:</b>	R7-21537 (100 Tests) R7-21538 (25 Tests)
<b>Specificity:</b>	CD14
<b>Reactivity:</b>	Human
<b>Clone:</b>	MEM-18
<b>Clonality:</b>	Monoclonal
<b>Format:</b>	cFluor <sup>®</sup> UV790
<b>Host Species:</b>	Mouse
<b>Isotype:</b>	IgG1
<b>Volume Per Test:</b>	5 µL/Test
<b>Application:</b>	Flow Cytometry
<b>Formulation:</b>	Phosphate-buffered saline, pH 7.2, containing 0.1% PEG 3350, 0.1% Pluronic F-68, 0.05% Tween-20, 0.09% sodium azide and 1% BSA (BSA Country of Origin USA)
<b>Storage:</b>	2-8°C protected from light. <b>Do not freeze</b>

### PRODUCT DESCRIPTION

The mouse monoclonal antibody clone MEM-18 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). CD14 binds to complexes of LPS and lipopolysaccharide-binding protein (LBP) with high affinity. It is expressed on monocytes and macrophages at high levels. It is also present in some interfollicular dendritic cells, macrophages, reticular dendritic cells, and Langerhans cells.

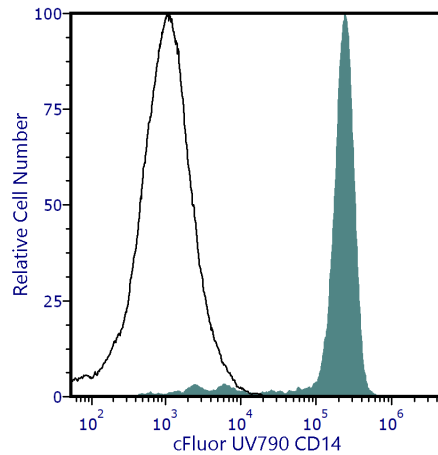
### RECOMMENDED USAGE

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.

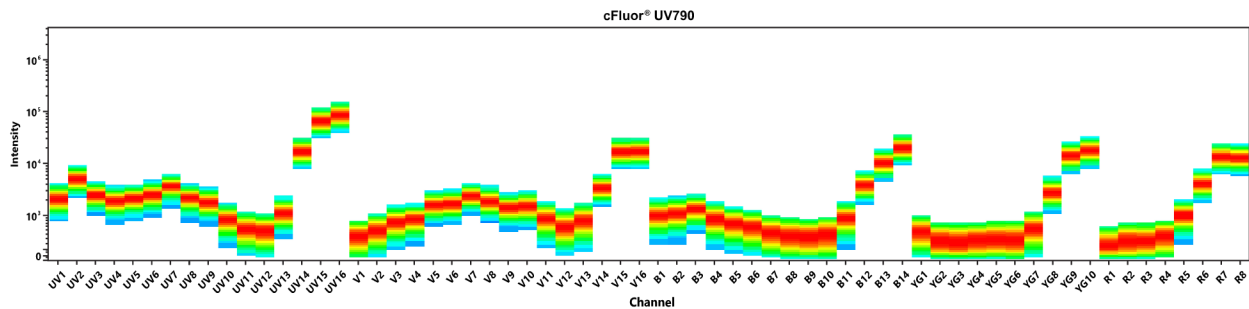
Please briefly centrifuge the reagent vial before use.

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

PRODUCT DATA



Human peripheral blood was stained with cFluor® UV790 Anti-Human CD14 (clone MEM-18) (filled histogram) or cFluor® UV790 mouse IgG1, κ isotype control (open histogram). Data shown is gated on monocytes.



Spectral signature of cFluor® UV790 from a Cytek Aurora™ 5-laser system equipped with 355, 405, 488, 561, and 640 nm lasers using CytekAssaySetting.

Cytek® cFluor® UV790 is StarBright™ UltraViolet 795 Dye, manufactured and provided by Bio-Rad, Inc.

StarBright is a trademark of Bio-Rad Laboratories, Inc. in certain jurisdictions. StarBright Dyes are manufactured and provided by Bio-Rad under an Agreement between Bio-Rad supplied to Cytek, being subject to certain conditions.

cFluor® UV790 is a tandem dye. Caution – Tandem dyes may show changes in their emission spectra with prolonged exposure to light or fixatives.

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