

APC Anti-CD14 antibody [MEM-15] ab60901

[1 Image](#)

Overview

Product name	APC Anti-CD14 antibody [MEM-15]
Description	APC Mouse monoclonal [MEM-15] to CD14
Host species	Mouse
Conjugation	APC. Ex: 645nm, Em: 660nm
Specificity	This antibody reacts with CD14, a membrane bound glycoprotein. The antibody also reacts with soluble forms of CD14 found in serum and in the urine of some nephrotic patients.
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Human
Immunogen	A crude mixture of human urinary proteins precipitated by ammonium sulphate from the urine of a patient suffering from proteinuria.
Positive control	Human blood cells
General notes	<p>Avoid prolonged exposure to light. Short-term exposure to room temperature should not affect the quality of the reagent.</p> <p>The purified antibody is conjugated with cross-linked Allophycocyanin (APC) under optimum conditions.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	<p>pH: 7.4</p> <p>Preservative: 0.097% Sodium azide</p> <p>Constituent: 1% BSA</p>

	0.2% high-grade protease free BSA
Purity	Size exclusion
Clonality	Monoclonal
Clone number	MEM-15
Isotype	IgG1

Applications

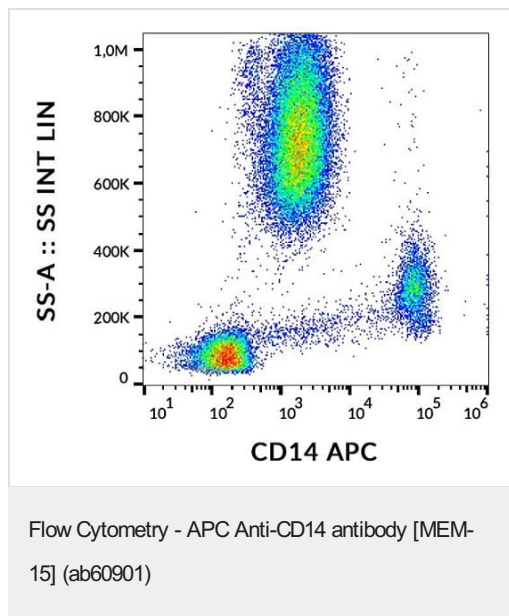
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab60901 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		Use 10µl for 10 ⁶ cells. Use 10µl per 100µl of whole blood or 10 ⁶ cells in a suspension.

Target

Function	Cooperates with MD-2 and TLR4 to mediate the innate immune response to bacterial lipopolysaccharide (LPS). Acts via MyD88, TIRAP and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response. Up-regulates cell surface molecules, including adhesion molecules.
Tissue specificity	Expressed strongly on the surface of monocytes and weakly on the surface of granulocytes; also expressed by most tissue macrophages.
Sequence similarities	Contains 11 LRR (leucine-rich) repeats.
Post-translational modifications	N- and O- glycosylated. O-glycosylated with a core 1 or possibly core 8 glycan.
Cellular localization	Cell membrane.

Images



Surface staining of human peripheral blood cells with ab60901 at 4 $\mu\text{g/ml}$

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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