

Product datasheet

FITC Anti-CD14 antibody [47-3D6] ab90944

[1 Image](#)

Overview

Product name	FITC Anti-CD14 antibody [47-3D6]
Description	FITC Mouse monoclonal [47-3D6] to CD14
Host species	Mouse
Conjugation	FITC. Ex: 493nm, Em: 528nm
Specificity	ab90944 reacts with Human monocytes and macrophages; weak reactions may occur with neutrophils.
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Human
Immunogen	Full length native protein (purified) corresponding to Human CD14. Purified from human lung angiotensin converting Enzyme.
Positive control	Normal Human peripheral blood
General notes	Excitation wavelength: 488 nm Emission wavelength: 520 nm Molar composition: FITC/protein 6.0 – 8.0 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. 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

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	pH: 7.20 Preservative: 0.1% Sodium azide Constituents: 0.9% BSA, 0.87% Sodium chloride, 0.328% Sodium phosphate
Purity	Immunogen affinity purified
Clonality	Monoclonal

Clone number	47-3D6
Isotype	IgG1
Light chain type	kappa

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab90944 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		

Application notes Flow Cyt: Use 20 µl for 10⁶ cells.

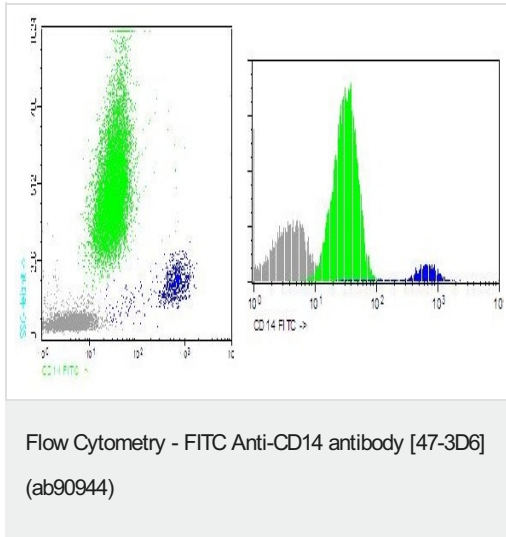
Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

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



ab90944, at 20 μ l per 10^6 cells, staining CD14 in Human normal peripheral blood by Flow cytometry.

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

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