

redFluor™ 710 Anti-CD14 antibody [61D3] ab253087

[1 Image](#)

Overview

Product name	redFluor™ 710 Anti-CD14 antibody [61D3]
Description	redFluor™ 710 Mouse monoclonal [61D3] to CD14
Host species	Mouse
Conjugation	redFluor™ 710
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Human
Immunogen	The details of the immunogen for this antibody are not available.
Positive control	Flow Cyt: Human peripheral blood monocytes.
General notes	<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. Store In the Dark.
Storage buffer	<p>pH: 7.20</p> <p>Preservative: 0.09% Sodium azide</p> <p>Constituents: 0.16% Sodium phosphate, 0.87% Sodium chloride, 0.1% Gelatin</p>
Purity	Affinity purified
Purification notes	Purified from TCS.
Clonality	Monoclonal
Clone number	61D3
Isotype	IgG1
Light chain type	kappa

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab253087 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 at an assay dependent concentration. Use at 5 μ L (0.5 μ g) per test, defined as the amount of antibody that will stain a cell sample in a final volume of approximately 100 μ L. The number of cells within a sample should be determined empirically, but typically ranges between 1×10^5 to 1×10^8 cells.

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.

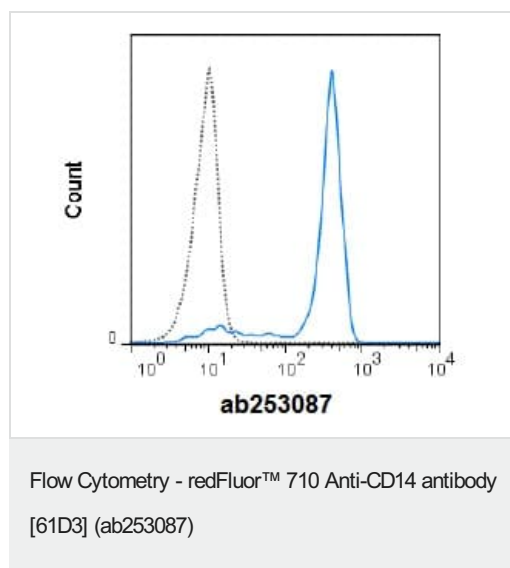
Post-translational modifications

N- and O- glycosylated. O-glycosylated with a core 1 or possibly core 8 glycan.

Cellular localization

Cell membrane.

Images



Flow cytometric analysis of human peripheral blood monocytes stained for CD14 using ab253087 at 5 μ L (0.5 μ g) (blue solid line) compared to 0.5 μ g red Fluor™ 710 Mouse IgG1 isotype control (black dashed line).

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

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