

## Product datasheet

### Anti-CD14 antibody [UCHM1] ab6623

[1 Image](#)

#### Overview

---

<b>Product name</b>	Anti-CD14 antibody [UCHM1]
<b>Description</b>	Mouse monoclonal [UCHM1] to CD14
<b>Host species</b>	Mouse
<b>Specificity</b>	ab6623 recognises a monocyte surface antigen of 55 kDa found chiefly on monocytes. UCHM1 was clustered at the Third International Workshop and Conference on Human Leucocyte Differentiation Antigens. Oxford 1986, as CDw14, group A. In tonsil tissue sections UCHM1 gives positive staining reactions with monocytic cells, the interfollicular tissue macrophages seen under the capsule, and dendritic reticulum cells. Skin Langerhans cells are always negative. UCHM1 also reacts with Kupffer cells and sinus lining cells on the liver.
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt <b>Unsuitable for:</b> IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Tissue, cells or virus corresponding to Human CD14. Human Thymocytes followed by peripheral blood mononuclear cells
<b>Positive control</b>	Tonsil.
<b>General notes</b>	<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&amp;As</p>

#### Properties

---

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.60 Preservative: 0.09% Sodium azide
<b>Purity</b>	Protein G purified

<b>Purification notes</b>	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	UCHM1
<b>Myeloma</b>	NS1/1-Ag4-1
<b>Isotype</b>	IgG2a

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab6623 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. <b>ab170191</b> - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.

**Application notes** Is unsuitable for IHC-P.

## 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.

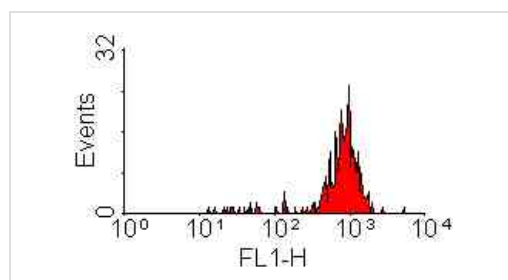
**Tissue specificity** Expressed strongly on the surface of monocytes and weakly on the surface of granulocytes; also expressed by most tissue macrophages.

**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



ab6623 staining of human peripheral blood monocytes, visualised with rabbit anti-mouse IgG: FITC.

Flow Cytometry - Anti-CD14 antibody [UCHM1]  
(ab6623)

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

### **Our Abpromise to you: Quality guaranteed and expert technical support**

---

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

### **Terms and conditions**

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors