

# Bulk Anti-Human CD14 (UCHM-1) Antibody

## Bulk anti-Human CD14 antibody (UCHM-1)

### Product Benefits:

ichorbio's bulk anti-human CD14 antibody (UCHM-1) is manufactured in a cGMP compliant, ISO Quality Standard 9001:2015 facility. ichorbio's low endotoxin antibodies have half the endotoxin of comparable antibodies from [Bio X Cell](#) at less than 1.0 EU/mg. If ichorbio's low endotoxin antibodies are not low enough we also offer ultra low endotoxin antibodies which have even less endotoxin (<0.5EU/mg) at an even higher purity (98% versus 95%). ichorbio: the best antibodies for *in vivo* research.

### Target:

CD14

### Clone:

UCHM-1

### Isotype:

Mouse IgG2a

### Other Names:

Myeloid cell-specific leucine-rich glycoprotein

### Uniprot:

[P08571](#)

### Host:

Mouse

### Species Reactivity:

Human

### Specificity:

Bulk anti-human CD14 antibody (UCHM-1) recognizes Human CD14. Anti-Human CD14 recognizes a (Mr 55 kDa) cell surface glycoprotein expressed on most peripheral blood monocytes.

### Purification Method:

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This monoclonal antibody was purified using multi-step affinity chromatography methods such as Protein A or G depending on the species and isotype.

**Antigen Distribution:**

The CD14 antigen is expressed on approximately 70-95% of human peripheral blood monocytes. It is also found on other cells of myeloid lineage including granulocytes, dendritic reticulum cells and pleural phagocytic cells.

**Background:**

Cluster of differentiation 14 also known as CD14 is a cell surface glycoprotein expressed in monocytes, macrophages, polymorphonuclear neutrophils, chondrocytes, B-cells, dendritic cells. CD14 functions to enhance activation of cells by lipopolysaccharide (LPS).

**Concentration:**

1.0 - 5.0 mg/ml

**Formulation:**

0.01 M phosphate buffered saline (PBS) pH 7.2, 150 mM NaCl with no carrier protein, potassium or preservatives added. BSA and Azide free.

**Purity:**

>95% by SDS-PAGE and analyzed by silver stain.

>98% by SDS-PAGE and HPLC

**Endotoxin:**

? 1.0 EU/mg as determined by the LAL method

? 0.75 EU/mg as determined by the LAL method

**Aggregation:**

Aggregation level ? 5%

Aggregation level ? 1%

**Storage:**

This antibody is stable for at least 4 weeks when stored at 2-8°C. For long term storage, aliquot in working volumes without diluting and store at – 20°C or -80°C. Avoid repeated freeze thaw cycles.

**Applications:**

Flow Cytometry, Western Blot, IHC (Frozen), Immunofluorescence, Immunoprecipitation

**Application Notes:**



Each investigator should determine their own optimal working dilution for specific applications.

**Use:**

Products are for research use only.

**Isotype Control:**

[Mouse IgG2a In Vivo Isotype Control - Low Endotoxin \[C1.18.4\] \(ICH2245\)](#)