

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:

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:

ichor.bio // hello@ichor.bio

Products are for research use only. Not for use in diagnostic or therapeutic procedures.

ichorbio, ichorbio logo and all other trademarks are the property of ichorbio LTD © ichorbio 2023



Products are for research use only.

Isotype Control:

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