

Anti-CD14 [UCH-M1] Standard Size Ab00821-10.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors. Developed in partnership with Ximbio (www.ximbio.com).

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG2a format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgG1, Fc Silent™, Kappa

Clone Number: UCH-M1

Alternative Name(s) of Target: UCHM1; Monocyte differentiation antigen CD14; Myeloid cell-specific leucine-rich glycoprotein

UniProt Accession Number of Target Protein: P08571

Published Application(s): WB, IF, IHC

Published Species Reactivity: Pig, Human, Rhesus Monkey, Cynomolgus Monkey

Immunogen: Human thymocytes followed by peripheral blood mononuclear cells.

Specificity: This antibody is specific for human CD14, which is expressed strongly by macrophages and most tissue monocytes. It cross-reacts with non-human primate and pig CD14.

Application Notes: This antibody has been used to specifically stain monocytes and macrophages in cryostat sections of large cell lymphoma using an indirect immunoperoxidase technique (Addis et al, 1986) and cryostat lymph node sections (Salisbury et al, 1985). It has also been used to stain acetone-fixed cytocentrifuge preparations of a cell line derived from a patient with Hodgkin's disease (Jones et al, 1985). This antibody has been employed in an immunofluorescence analysis to assess CD14 expression in porcine epithelial cells (Liu et al, 2001), and in indirect immunofluorescence staining of cryostat thymus sections (Marinova et al, 2008). This antibody has also been used in Western blotting, and to deplete soluble CD14 from human sera through an immunoadsorption method (Shimizu et al, 2004).

Antibody First Published in: Jones et al. Phenotypic analysis of an established cell line derived from a patient with Hodgkin's disease (HD) *Hematol Oncol.* 1985 Apr-Jun;3(2):133-45. [PMID:4018743](https://pubmed.ncbi.nlm.nih.gov/4018743/)

Note on publication: Describes the use of this antibody in IHC analysis

Product Form

Size:

200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.