

Mouse CD14 Monoclonal Antibody | anti-CD14 antibody

MOUSE ANTI HUMAN CD14

CATALOG # AAA12179	HOST Mouse	APPLICATIONS Immunohistochemistry, Flow Cytometry, Functional Assay, Immunoprecipitation
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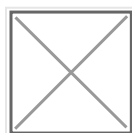
PRODUCT SYNONYMS

CD14; Monoclonal Antibody; MOUSE ANTI HUMAN CD14; anti-CD14 antibody

PRODUCT SPECIFICATIONS

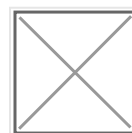
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	UCHM1
Form/Format	Purified Purified IgG - liquid
Concentration	IgG concentration 1.0 mg/ml (varies by lot)
Sequence Length	375
Applicable Applications for anti-CD14 antibody	IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), IP (Immunoprecipitation)
Application Notes	Flow Cytometry: Use 10ul of the suggested working dilution to label 106 cells in 100ul. Immunohistology - Frozen: Application Note: The epitope recognised by this antibody is reported to be sensitive to formaldehyde fixation and tissue processing. We recommends the use of acetone fixation for frozen sections. Flow Cytometry: Maximum Dilution: 1/50
Perservative Stabilisers	0.09% Sodium Azide Preparation
Immunogen	Human Thymocytes followed by peripheral blood mononuclear cells Histology Positive Control Tissue
Target Species	Human
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. This product should be stored undiluted. Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.

IMAGES



Application Data

Staining of human peripheral blood monocytes with Mouse anti Human CD14:RPE



Application Data

Staining of human peripheral blood monocytes with Mouse anti Human CD14:APC

**Application Data**

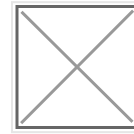
Staining of human peripheral blood monocytes with Mouse anti Human CD14:Alexa Fluor 647

**Application Data**

Staining of human peripheral blood monocytes with Mouse anti Human CD14:Biotin

**Application Data**

Sandwich ELISA analysis of Human CD14 binding using Mouse anti CD14 antibody, clone MEM-18 as a capture reagent and biotinylated Mouse anti Human CD14 antibody, clone UCHM1 as a detection reagent with purified CD14 as antigen for generation of the standard curve. Detection is by HRP conjugated streptavidin. Microtitre plate is read at O.D. 450 nm on the iMark Microplate Absorbance Reader . Serum samples diluted 1:200 and 1:400 are shown green and red respectively, while plasma samples also diluted 1:200 and 1:400 are blue and orange respectively

**Application Data**

Staining of human peripheral blood monocytes with Mouse anti Human CD14:FITC

ADDITIONAL INFORMATION

Related Product Information for anti-CD14 antibody

Mouse anti Human CD14 antibody, clone UCHM1 recognizes a cell surface antigen of 55 kD, known as CD14. The CD14 molecule is found predominantly on monocytes and macrophages in flow cytometry, it is less strongly expressed on granulocytes, and is absent from stem cells and myeloid cells of very early differentiation states. In immunohistology the CD14 molecule is found to be present on Langerhans cells, follicular dendritic cells, histiocytes and high endothelial venules. Antibodies to the CD14 molecule are known to induce oxidative burst formation. 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 (Hogg et al. 1984). UCHM1 also reacts with Kupffer cells and sinus lining cells on the liver.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557417
NCBI GeneID	929
NCBI Accession #	NP_000582.1
NCBI GenBank Nucleotide #	NM_000591.3
UniProt Accession #	P08571; Q53XT5; Q96FR6; Q96L99; Q9UNS3
Molecular Weight	40,076 Da
NCBI Official Full Name	monocyte differentiation antigen CD14
NCBI Official Synonym Full Names	CD14 molecule
NCBI Official Symbol	CD14
NCBI Protein Information	monocyte differentiation antigen CD14; myeloid cell-specific leucine-rich glycoprotein
UniProt Protein Name	Monocyte differentiation antigen CD14
UniProt Gene Name	CD14
UniProt Entry Name	CD14_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd14-antibody-clone-uchm1-immunohistochemistry-flow-cytometry-immunoprecipitation-elisa/12179>