

Mouse anti-Human CD14 Monoclonal Antibody | anti-CD14 antibody

CD14 Mouse anti-Human Monoclonal (7) Antibody

CATALOG # AAA163089	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Immunohistochemistry
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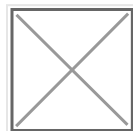
PRODUCT SYNONYMS

CD14; Monoclonal Antibody; CD14 Mouse anti-Human Monoclonal (7) Antibody; PathPlus CD14 Antibody (clone 7); CD14 molecule; CD14 antigen; anti-CD14 antibody

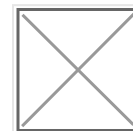
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	7
Specificity	Human CD14
Purity/Purification	Tissue culture supernatant
Form/Format	Filter sterilized and diluted in buffer, pH7.5, BSA, Sodium Azide
Applicable Applications for anti-CD14 antibody	IHC (Immunohistochemistry), IHC (Immunohistochemistry)
Target	Human CD14
Immunogen	Recombinant protein encoded the extracellular domain of human CD14
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)
CD14 Antibody-Human Liver: Formalin-Fixed, Paraffin-Embedded (FFPE)



IHC (Immunohistochemistry)
CD14 Antibody-Human Tonsil: Formalin-Fixed, Paraffin-Embedded (FFPE)

ADDITIONAL INFORMATION

Related Product Information for anti-CD14 antibody

CD14 antibody is an unconjugated mouse monoclonal antibody to human CD14. Validated for IHC. CD14, also called monocyte differentiation antigen CD14, is a co-receptor protein for bacterial lipopolysaccharide. It is a component of the innate immune system, enhancing responses to infection by sensitizing host cells to bacterial lipopolysaccharide and other microbial products. Binding to LPS activates the release of cytokines. CD14 has a membrane-bound form and a soluble form. It is expressed on macrophages, monocytes (specific marker for monocytic differentiation), neutrophils, dendritic cells, and enterocytes; the soluble form is secreted by the liver and by monocytes. Staining is used to identify monocytes and macrophages in normal tissues and leukemias (eg, acute monoblastic, acute myelomonocytic).

References	Science. 1990;249(4975):1431-1433. PMID: 1698311; Immunity. 1994;1(6):509-516. PMID: 7534618; J Hepatol. 1999;31(3):435-442. PMID: 10488701; Infect Immun. 1998;66(3):1135-1141. PMID: 9488406; Am J Clin Pathol. 2011;135(5):720-730. doi: 10.1309/AJCPZ46PMMAWJROT; -Leukemia. 2006;20(7):1321-1324. doi: 10.1038/sj.leu.2404242
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4557417
NCBI GeneID	929
NCBI Accession #	NP_000582.1
NCBI GenBank Nucleotide #	NM_000591
UniProt Accession #	P08571; Q53XT5; Q96FR6; Q96L99; Q9UNS3
Molecular Weight	53kDa
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.