



CD14 antibody

Mouse Monoclonal Antibody (Mab)
Catalog # AD80513

Specification

CD14 antibody - Product info

Application IHC
Primary Accession P08571
Reactivity Human
Host Mouse
Clonality Monoclonal
Calculated MW 40076 Da

CD14 antibody - Additional info

Gene ID 929

Other Names

Monocyte differentiation antigen CD14, Myeloid cell-specific leucine-rich glycoprotein, CD14, Monocyte differentiation antigen CD14, urinary form, Monocyte differentiation antigen CD14, membrane-bound form, CD14

Dilution

IHC~~1:100~500

Storage

Maintain refrigerated at 2-8°C

Precautions CD14 antibody is for research use only and

not for use in diagnostic or therapeutic

procedures.

CD14 antibody - Protein Information

Name CD14

Function Coreceptor for bacterial

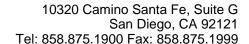
lipopolysaccharide (PubMed:1698311, PubMed:23264655). In concert with LBP, binds to monomeric lipopolysaccharide and delivers it to the LY96/TLR4 complex, thereby mediating the innate immune response to bacterial lipopolysaccharide

(LPS) (PubMed: 20133493,

PubMed: 23264655, PubMed: 22265692). Acts via MyD88, TIRAP and TRAF6, leading to NF-kappa-B activation, cytokine secretion

and the inflammatory response

(PubMed:<u>8612135</u>). Acts as a coreceptor for TLR2:TLR6 heterodimer in response to





Cellular Location

Tissue Location

diacylated lipopeptides and for TLR2:TLR1 heterodimer in response to triacylated lipopeptides, these clusters trigger signaling from the cell surface and subsequently are targeted to the Golgi in a lipid-raft dependent pathway (PubMed: 16880211). Binds electronegative LDL (LDL(-)) and mediates the cytokine release induced by LDL(-) (PubMed: 23880187). Cell membrane; Lipid-anchor, GPI-anchor. Secreted. Membrane raft. Golgi apparatus. **Note=Secreted forms may arise by** cleavage of the GPI anchor. Detected on macrophages (at protein level) (PubMed:1698311). Expressed strongly on the surface of monocytes and weakly on the surface of granulocytes; also expressed by most tissue macrophages.

CD14 antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CD14 antibody - Images