

# CD14

Rabbit Monoclonal antibody(Mab)

Catalog # AD80058

## Product Information

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Application	IHC-P
Primary Accession	<a href="#">P08571</a>
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal
Clone Names	501B2C3
Calculated MW	40076

## Additional Information

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Gene ID	929
Gene Name	CD14
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-P~~Ready-to-use
Storage	Maintain refrigerated at 2-8°C.
Precautions	CD14 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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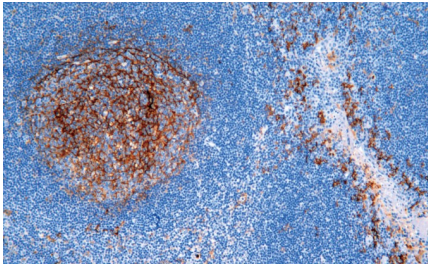
Name	CD14
Function	Coreceptor for bacterial lipopolysaccharide (PubMed: <a href="#">1698311</a> , PubMed: <a href="#">23264655</a> ). In concert with LBP, binds to monomeric lipopolysaccharide and delivers it to the LY96/TLR4 complex, thereby mediating the innate immune response to bacterial lipopolysaccharide (LPS) (PubMed: <a href="#">20133493</a> , PubMed: <a href="#">22265692</a> , PubMed: <a href="#">23264655</a> ). Acts via MyD88, TIRAP and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response (PubMed: <a href="#">8612135</a> ). Acts as a coreceptor for TLR2:TLR6 heterodimer in response to 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: <a href="#">16880211</a> ). Binds electronegative LDL (LDL(-)) and mediates the cytokine release induced by LDL(-) (PubMed: <a href="#">23880187</a> ).
Cellular Location	Cell membrane; Lipid-anchor, GPI-anchor. Secreted. Membrane raft. Golgi apparatus. Note=Secreted forms may arise by cleavage of the GPI anchor.

**Tissue Location**

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.

**Images**

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.