

**Anti-CD14 Rabbit Monoclonal Antibody**  
Catalog # ABO13424**Specification****Anti-CD14 Rabbit Monoclonal Antibody - Product Information**

Application	WB, IHC, IF, ICC
Primary Accession	<a href="#">P08571</a>
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid

**Description**

Anti-CD14 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF applications. This antibody reacts with Human.

**Anti-CD14 Rabbit Monoclonal Antibody - Additional Information**

**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

**Calculated MW**

40076 MW KDa

**Application Details**

WB 1:500-1:2000<br>IHC 1:50-1:200<br>ICC/IF 1:50-1:200

**Subcellular Localization**

Cell membrane ; Lipid- anchor, GPI-anchor. Secreted. Membrane raft. Golgi apparatus. Secreted forms may arise by cleavage of the GPI anchor..

**Tissue Specificity**

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..

**Contents**

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

**Immunogen**

A synthesized peptide derived from human CD14

**Purification**

Affinity-chromatography

**Storage**

**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

**Anti-CD14 Rabbit Monoclonal Antibody - Protein Information****Name** CD14**Function**

Coreceptor for bacterial lipopolysaccharide (PubMed:<a href="http://www.uniprot.org/citations/1698311" target="\_blank">1698311</a>, PubMed:<a href="http://www.uniprot.org/citations/23264655" target="\_blank">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="http://www.uniprot.org/citations/20133493" target="\_blank">20133493</a>, PubMed:<a href="http://www.uniprot.org/citations/22265692" target="\_blank">22265692</a>, PubMed:<a href="http://www.uniprot.org/citations/23264655" target="\_blank">23264655</a>). Acts via MyD88, TIRAP and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response (PubMed:<a href="http://www.uniprot.org/citations/8612135" target="\_blank">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="http://www.uniprot.org/citations/16880211" target="\_blank">16880211</a>). Binds electronegative LDL (LDL(-)) and mediates the cytokine release induced by LDL(-) (PubMed:<a href="http://www.uniprot.org/citations/23880187" target="\_blank">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.

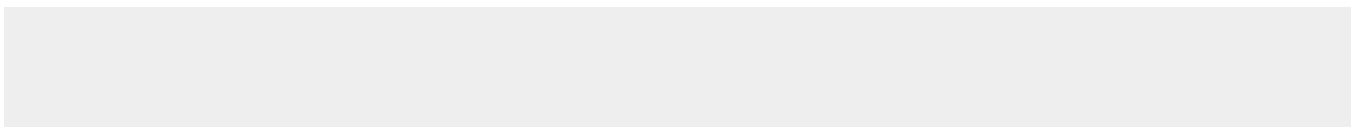
**Tissue Location**

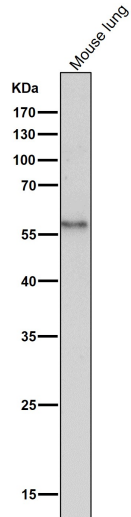
Detected on macrophages (at protein level) (PubMed:1698311). Expressed strongly on the surface of monocytes and weakly on the surface of granulocytes; also expressed by most tissue macrophages.

**Anti-CD14 Rabbit Monoclonal Antibody - Protocols**

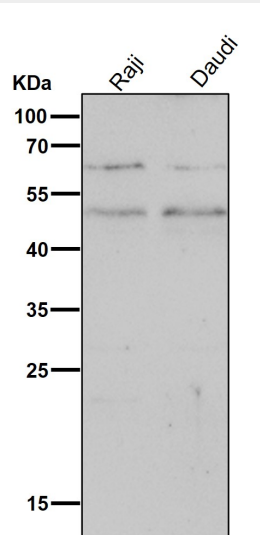
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

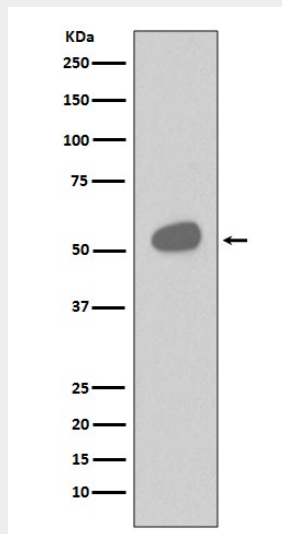
**Anti-CD14 Rabbit Monoclonal Antibody - Images**



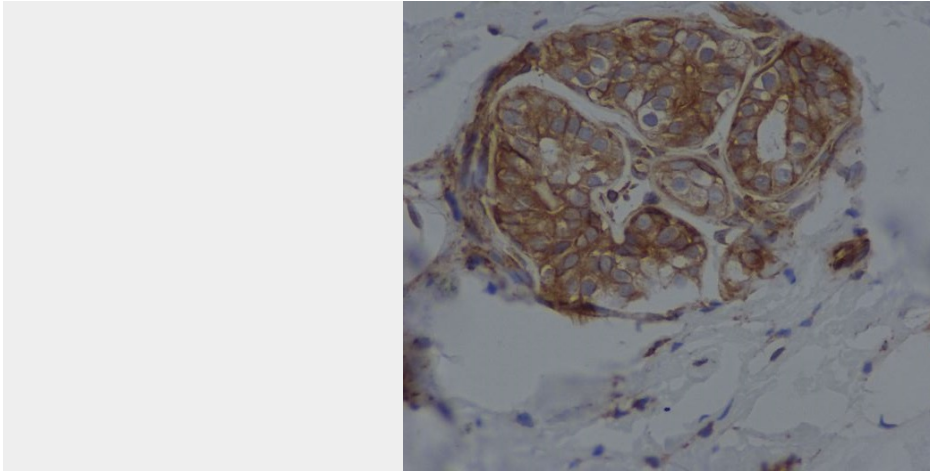
All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.



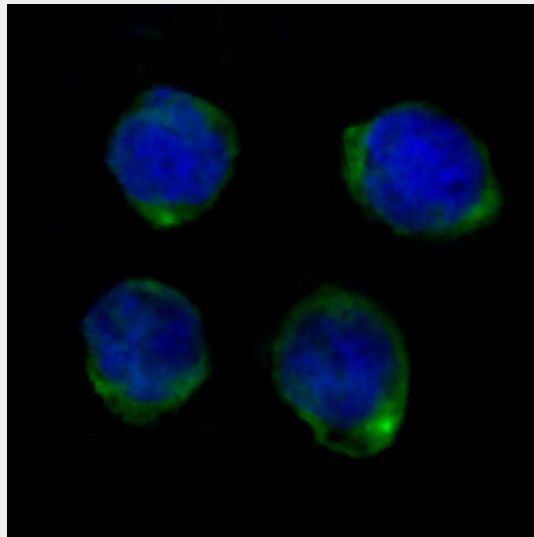
All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.



Western blot analysis of CD14 expression in Human tonsil cell lysate.



Immunohistochemical analysis of paraffin-embedded human breast, using CD14 Antibody.



Immunofluorescent analysis of K562 cells, using CD14 Antibody.