

产品名称: CD14 (16H16) Rabbit Monoclonal Antibody  
产品货号: AMRe08209



## 产品概述 (Summary)

|                        |                                         |
|------------------------|-----------------------------------------|
| 产品名称 (Production Name) | CD14 (16H16) Rabbit Monoclonal Antibody |
| 描述 (Description)       | Recombinant rabbit monoclonal antibody  |
| 宿主 (Host)              | Rabbit                                  |
| 应用 (Application)       | WB,IHC                                  |
| 种属反应性 (Reactivity)     | Human                                   |

## 产品性能 (Performance)

|                     |                                                                                                                                                                                              |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 偶联物 (Conjugation)   | Unconjugated                                                                                                                                                                                 |
| 修饰 (Modification)   | Unmodified                                                                                                                                                                                   |
| 同种型 (Isotype)       | IgG                                                                                                                                                                                          |
| 克隆 (Clonality)      | Monoclonal                                                                                                                                                                                   |
| 形式 (Form)           | Liquid                                                                                                                                                                                       |
| 存放说明 (Storage)      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.                                                                                                     |
| 储存溶液 (Buffer)       | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle. |
| 纯化方式 (Purification) | Affinity purification                                                                                                                                                                        |

## 免疫原信息 (Immunogen)

|                        |                                                                                               |
|------------------------|-----------------------------------------------------------------------------------------------|
| 基因名 (Gene Name)        | CD14                                                                                          |
| 别名 (Alternative Names) | CD14; Monocyte differentiation antigen CD14; Myeloid cell specific leucine rich glycoprotein; |
| 基因 ID (Gene ID)        | 929.0                                                                                         |
| 蛋白 ID (SwissProt ID)   | P08571.                                                                                       |

## 产品应用 (Application)

|                          |                                   |
|--------------------------|-----------------------------------|
| 稀释比 (Dilution Ratio)     | WB 1:1000-1:5000,IHC 1:200-1:2000 |
| 蛋白分子量 (Molecular Weight) | 40kDa                             |

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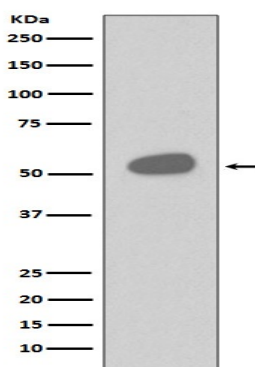
## 研究背景 (Background)

CD14 antigen is a GPI-linked glycoprotein with a molecular weight of 55kD. The CD14 antigen is expressed on cells of the myelomonocytic lineage including monocytes, macrophages and Langerhans cells. Low expression is observed on neutrophils and on human B cells. CD14 antigen is a receptor for bacterial lipopolysaccharide (LPS, endotoxin) and the lipopolysaccharide binding protein (LBP). LBP and CD14 antigen serves two physiological roles. Coreceptor for bacterial lipopolysaccharide (PubMed: [1698311](http://www.uniprot.org/citations/1698311), PubMed: [23264655](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/20133493), PubMed: [23264655](http://www.uniprot.org/citations/23264655) target="\_blank">23264655</a>, PubMed: [22265692](http://www.uniprot.org/citations/22265692) target="\_blank">22265692</a>). Acts via MyD88, TIRAP and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response (PubMed: [8612135](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: [16880211](http://www.uniprot.org/citations/16880211) target="\_blank">16880211</a>). Binds electronegative LDL (LDL(-)) and mediates the cytokine release induced by LDL(-) (PubMed: [23880187](http://www.uniprot.org/citations/23880187) target="\_blank">23880187</a>).

## 研究领域 (Research Area)

Immunology; Cell Type Markers; CD; Myeloid Cells; Stem Cells; CD markers ELISA kits

## 图片 (Image Data)



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

## 注意事项 (Note)

For research use only .

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