

# Anti-CD14 antibody [EPR3653] - Low endotoxin, Azide free ab214438

リコンビナント **RabMAb**

★★★★★ **1 Abreviews** **4 References** 画像数 6

### 製品の概要

製品名	Anti-CD14 antibody [EPR3653] - Low endotoxin, Azide free
製品の詳細	Rabbit monoclonal [EPR3653] to CD14 - Low endotoxin, Azide free
由来種	Rabbit
アプリケーション	<b>適用あり:</b> WB, IHC-P
種交差性	<b>交差種:</b> Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	IHC-P: Human colon, placenta and tonsil tissue. WB: Human tonsil, SW480 and PBMCI lysates.
特記事項	<p>ab214438 is the carrier-free version of <a href="#">ab133335</a>.</p> <p>Our <b>carrier-free</b> antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our <b>conjugation kits</b> for antibody conjugates that are ready-to-use in as little as 20 minutes with &lt;1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p> <p>Our <b>Low endotoxin, azide-free formats</b> have low endotoxin level (<math>\leq 1</math> EU/ml, determined by the LAL assay) and are free from azide, to achieve consistent experimental results in functional assays.</p>

Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

## 製品の特性

### 製品の状態

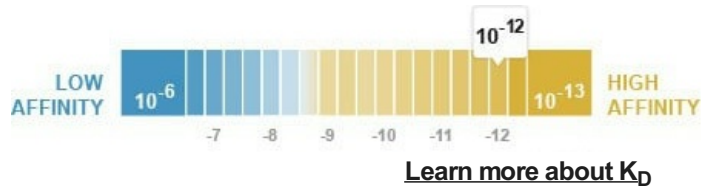
Liquid

### 保存方法

Shipped at 4°C. Store at +4°C. Do Not Freeze.

### 解離定数 ( $K_D$ 値)

$K_D = 4.70 \times 10^{-12}$  M



### バッファー

pH: 7.2

Constituent: PBS

### キャリア・フリー

はい

### 精製度

Protein A purified

### ポリ/モノ

モノクローナル

### クローン名

EPR3653

### アイソタイプ

IgG

## アプリケーション

### The Abpromise guarantee

**Abpromise保証は、次のテスト済みアプリケーションにおけるab214438の使用に適用されます**

アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		Use at an assay dependent concentration. Detects a band of approximately 53 kDa (predicted molecular weight: 40 kDa).
IHC-P	★★★★☆ (1)	Use at an assay dependent concentration. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. See <a href="#">IHC antigen retrieval protocols</a> .

## ターゲット情報

### 機能

Cooperates with MD-2 and TLR4 to mediate the innate immune response to bacterial lipopolysaccharide (LPS). Acts via MyD88, TIRAP and TRAF6, leading to NF-kappa-B activation, cytokine secretion and the inflammatory response. Up-regulates cell surface molecules, including adhesion molecules.

### 組織特異性

Expressed strongly on the surface of monocytes and weakly on the surface of granulocytes; also expressed by most tissue macrophages.

### 配列類似性

Contains 11 LRR (leucine-rich) repeats.

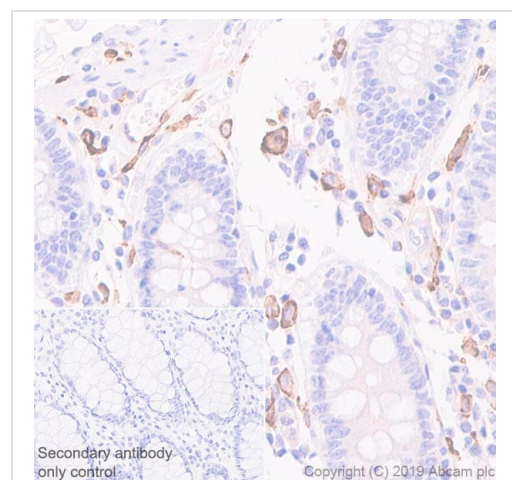
## 翻訳後修飾

N- and O- glycosylated. O-glycosylated with a core 1 or possibly core 8 glycan.

## 細胞内局在

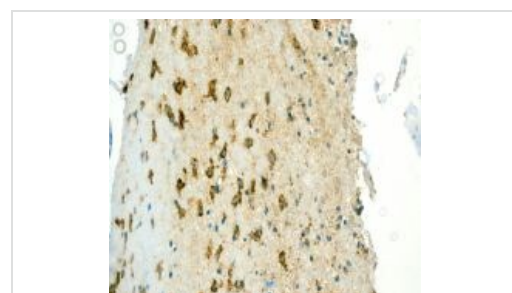
Cell membrane.

## 画像



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD14 antibody [EPR3653] - Low endotoxin, Azide free (ab214438)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human colon tissue sections labeling CD14 with purified **ab133335** at 1/2000 dilution (0.04 µg/ml). Heat mediated antigen retrieval was performed using **ab93684** (Tris/EDTA buffer, pH 9.0). ImmunoHistoProbe one step HRP Polymer (ready to use) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain. This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab133335**)

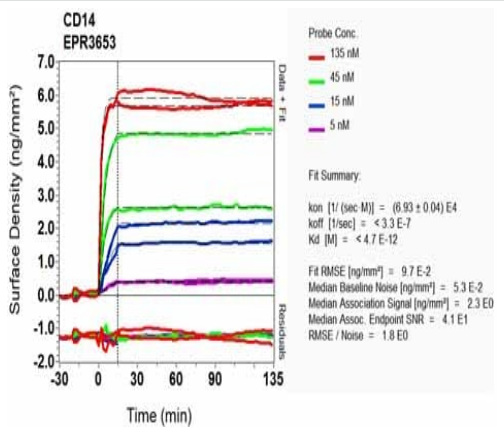


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD14 antibody [EPR3653] - Low endotoxin, Azide free (ab214438)

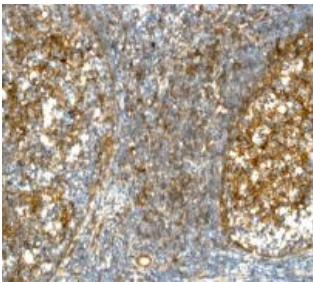
Immunohistochemical analysis of Formalin-fixed, paraffin-embedded Human placenta tissue labelling CD14 with **ab133335** (unpurified) at 1/500 dilution.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab133335**).

Heat mediated antigen retrieval was performed before commencing with IHC staining protocol.



OI-RD Scanning - Anti-CD14 antibody [EPR3653] -  
 Low endotoxin, Azide free (ab214438)



Immunohistochemistry (Formalin/PFA-fixed paraffin-  
 embedded sections) - Anti-CD14 antibody  
 [EPR3653] - Low endotoxin, Azide free (ab214438)

Tissue Microarray (TMA) data for ab133335					
Normal tissue samples			Malignant tissue samples		
Human cardiac muscle	x	Human placenta	x (immune cells ✓)	Human glioma	✓
Human cerebrum	x	Human skeletal muscle	x (immune cells ✓)	Human hepatocellular carcinoma	x (immune cells ✓)
Human colon	x (immune cells ✓)	Human skin	x (immune cells ✓)	Human lung carcinoma	x (immune cells ✓)
Human endometrium	x (immune cells ✓)	Human spleen	x (immune cells ✓)	Human ovarian carcinoma	x (immune cells ✓)
Human kidney	x (immune cells ✓)	Human stomach	x (immune cells ✓)	Human pancreatic carcinoma	x (immune cells ✓)
Human liver	x (immune cells ✓)	Human testis	x (immune cells ✓)	Human prostatic hyperplasia	x (immune cells ✓)
Human lung	x (immune cells ✓)	Human thyroid	x	Human thyroid carcinoma	x
Human mammary gland	x (immune cells ✓)	Human tonsil	x (immune cells ✓)		
Human pancreas	x (immune cells ✓)				

Immunohistochemistry (Formalin/PFA-fixed paraffin-  
 embedded sections) - Anti-CD14 antibody  
 [EPR3653] - Low endotoxin, Azide free (ab214438)

Equilibrium disassociation constant ( $K_D$ )

Learn more about  $K_D$

[Click here to learn more about  \$K\_D\$](#)

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab133335](#)).

This IHC data was generated using the same anti-CD14 antibody clone, EPR3653, in a different buffer formulation (cat# [ab133335](#)) (unpurified).

Immunohistochemical analysis of Formalin-fixed, paraffin-embedded Human tonsil tissue labelling CD14 with [ab133335](#) at 1/500 dilution.

Heat mediated antigen retrieval was performed before commencing with IHC staining protocol.

Tissue Microarrays stained for " Anti-CD14 antibody [EPR3653]" using "[ab133335](#)" in immunohistochemical analysis. This table provides a detailed overview of positive (tick mark) and negative (cross mark) staining per sample type tested. The sections were pre-treated using Heat mediated antigen retrieval using Bond™ Epitope Retrieval Solution 2 (pH 9.0) for 20 minutes. The sections were incubated with [ab133335](#) for 30 mins at room temperature followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)). The immunostaining was performed on a Leica Biosystems BOND® RX instrument.

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-CD14 antibody [EPR3653] - Low endotoxin,  
Azide free (ab214438)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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