

# CD14 Rabbit mAb

Catalog No.: A19011

Recombinant

4 Publications

## Basic Information

### Observed MW

50-65kDa

### Calculated MW

40kDa

### Category

Primary antibody

### Applications

ELISA, WB, IHC-P, IF/ICC, FC

### Cross-Reactivity

Human, Mouse

### CloneNo number

ARC0353

## Background

The protein encoded by this gene is a surface antigen that is preferentially expressed on monocytes/macrophages. It cooperates with other proteins to mediate the innate immune response to bacterial lipopolysaccharide, and to viruses. This gene has been identified as a target candidate in the treatment of SARS-CoV-2-infected patients to potentially lessen or inhibit a severe inflammatory response. Alternative splicing results in multiple transcript variants encoding the same protein.

## Recommended Dilutions

WB	1:500 - 1:2000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200
FC	1:50 - 1:200

## Immunogen Information

### Gene ID

929

### Swiss Prot

P08571

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 250-350 of human CD14 (P08571).

### Synonyms

CD14

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

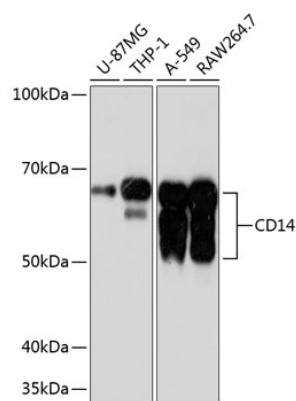
Affinity purification

### Storage

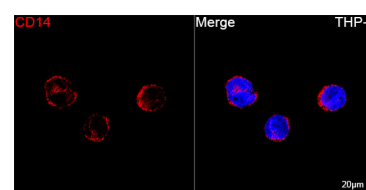
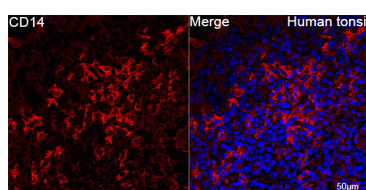
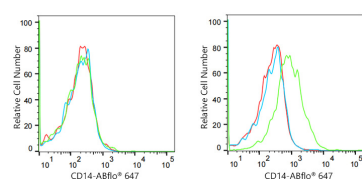
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

## Validation Data



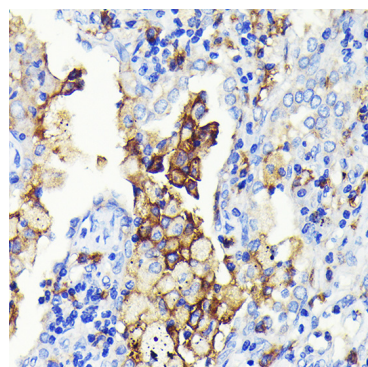
Western blot analysis of various lysates using CD14 Rabbit mAb (A19011) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 3min.



Flow cytometry:  $1 \times 10^6$  Jurkat cells (negative control, left) and A549 cells (right) were surface-stained with CD14 Rabbit mAb (A19011, 10 µg/mL, green line) or Rabbit IgG isotype control (AC042, 10 µg/mL, blue line), followed by Alexa Fluor 647 conjugated goat anti-rabbit pAb (1:600 dilution) staining. Non-fluorescently stained cells were used as blank control (red line).

Confocal imaging of paraffin-embedded Human tonsil using CD14 Rabbit mAb (A19011, dilution 1:100) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.

Confocal imaging of THP-1 cells using CD14 Rabbit mAb (A19011, dilution 1:100) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



Immunohistochemistry analysis of CD14 in paraffin-embedded human lung cancer using CD14 Rabbit mAb (A19011) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.