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CD14 Rabbit pAb

Catalog No.: A5737   **2 Publications**

Basic Information

Observed MW
60kDa

Calculated MW
40kDa

Category
Primary antibody

Applications
WB,IF/ICC,ELISA

Cross-Reactivity
Human, Mouse, Rat

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 - 1:1000
IF/ICC	1:50 - 1:200
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
929

Swiss Prot
P08571

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
CD14

Contact

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Product Information

Source
Rabbit

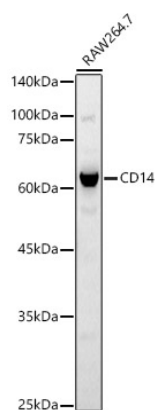**Isotype**
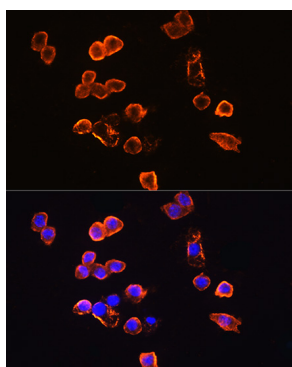IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis),pH7.3.
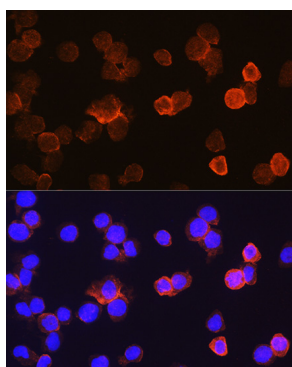
Validation Data

Western blot analysis of lysates from RAW264.7 cells, using CD14 Rabbit pAb (A5737) at 1:600 dilution. Secondary antibody: HRP-conjugated 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: 30s.

Immunofluorescence analysis of RAW264.7 cells using CD14 Rabbit pAb (A5737) at dilution of 1:100. Blue: DAPI for nuclear staining.

Immunofluorescence analysis of THP-1 cells using CD14 Rabbit pAb (A5737) at dilution of 1:100. Blue: DAPI for nuclear staining.