

CD14 Rabbit mAb

Catalog No.: A25179 **Recombinant**

Basic Information

Observed MW

50-60kDa

Calculated MW

39kDa

Category

Primary antibody

Applications

ELISA,WB,FC

Cross-Reactivity

Mouse

CloneNo number

ARC66543

Background

This gene encodes a protein that plays an important role in the innate immune response and is expressed in monocyte/macrophage cells. This gene product acts as a co-receptor that binds several microbial and fungal molecules, including lipopolysaccharides (LPS). This protein's LPS-binding activity is enhanced by the LPS binding protein (LBP) to allow binding to the TLR4-MD-2 co-receptor complex. The product of this gene is found in two forms, either as a soluble protein or attached to the cell surface by a glycosylphosphatidylinositol anchor.

Recommended Dilutions

WB 1:500 - 1:1000

FC 1:500 - 1:1000

Immunogen Information

Gene ID

12475

Swiss Prot

P10810

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 18-345 of mouse CD14 (NP_033971.1).

Synonyms

CD14

Contact

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✉ | cn.market@abclonal.com.cn

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Product Information

Source

Rabbit

Isotype

IgG

Purification

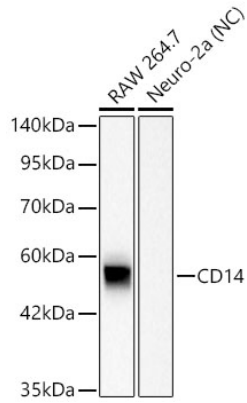
Affinity purification

Storage

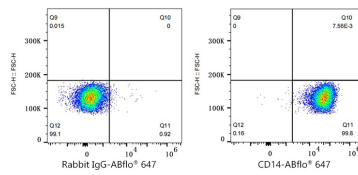
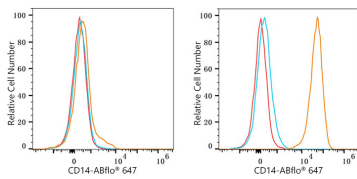
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

Validation Data



Western blot analysis of various lysates using CD14 Rabbit mAb (A25179) at 1:1000 dilution.
 Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 25 µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Negative control (NC): Neuro-2a.
 Exposure time: 90s.



Flow cytometry: 1×10^6 Neuro-2a cells (negative control, left) and RAW 264.7 cells (right) were surface-stained with CD14 Rabbit mAb (A25179, 2 µg/mL, orange line) or ABflo® 647 Rabbit IgG isotype control (A22070, 5 µl/Test, blue line), followed by Alexa Fluor® 647 conjugated goat anti-rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry: 1×10^6 RAW 264.7 cells were surface-stained with ABflo® 647 Rabbit IgG isotype control (A22070, 5 µl/Test, left) or CD14 Rabbit mAb (A25179, 2 µg/mL, right).