

CD47 Rabbit mAb

Catalog No.: A24296 **Recombinant**

Basic Information

Observed MW

Refer to figures

Calculated MW

35kDa

Category

Primary antibody

Applications

FC,ELISA,Neutralization

Cross-Reactivity

Human

CloneNo number

ARC61212

Background

This gene encodes a membrane protein, which is involved in the increase in intracellular calcium concentration that occurs upon cell adhesion to extracellular matrix. The encoded protein is also a receptor for the C-terminal cell binding domain of thrombospondin, and it may play a role in membrane transport and signal transduction. This gene has broad tissue distribution, and is reduced in expression on Rh erythrocytes. Alternatively spliced transcript variants have been found for this gene.

Recommended Dilutions

FC 1:100 - 1:500

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

961

Swiss Prot

Q08722

Immunogen

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

Synonyms

IAP; OA3; MER6

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

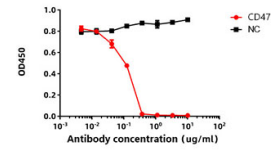
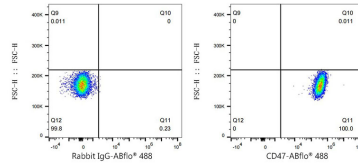
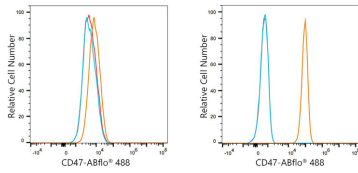
Affinity purification

Storage

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

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Flow cytometry: 1X10⁶ HepG2 cells (Low Expression, Left) and MOLT-4 cells(Right) were surface-stained with CD47 Rabbit mAb(A24296,2µg/mL,orange line) or ABflo® 488 Rabbit IgG isotype control (A22069,2µg/mL,blue line),followed by Alexa Fluor®488 conjugated goat anti-rabbit pAb (1:200 dilution) staining. Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry:1X10⁶ MOLT-4 cells were surface-stained with ABflo® 488 Rabbit IgG isotype control (A22069,2 µg/mL,left) or CD47 Rabbit mAb(A24296,2 µg/mL,right).

1µg/mL of biotinylated CD47 protein was incubated with CD47 Rabbit mAb (A24296) or control mAb with serial dilution for 1 hour at RT. The mixture was added to ELISA plate coated with 1µg/mL of Recombinant Human SIRP-alpha/CD172a Protein (RP00171). HRP-Streptavidin was used for biotinylated CD47 detection.