ABflo® 647 Rabbit anti-Human MMP9 mAb

Catalog No.: A23733



Basic Information

Observed MW

Calculated MW 78kDa

Category Primary antibody

Applications FC (intra)

Cross-Reactivity Human

CloneNo number ARC60377-ABf647

Conjugate

ABflo® 647. Ex:648nm. Em:664nm.

Recommended Dilutions

5 µl per 10^6 cells in

100 µl volume

FC (intra)

Background

Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. The enzyme encoded by this gene degrades type IV and V collagens. Studies in rhesus monkeys suggest that the enzyme is involved in IL-8-induced mobilization of hematopoietic progenitor cells from bone marrow, and murine studies suggest a role in tumor-associated tissue remodeling.

Immunogen Information

Gene ID 4318

Swiss Prot P14780

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 20-707 of human MMP9 (NP_004985.2).

Synonyms

MMP9; CLG4B; GELB; MANDP2; MMP-9; matrix metallopeptidase 9

Contact

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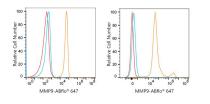
Product Information

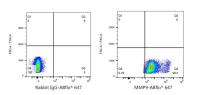
Source Rabbit **Isotype** IgG Purification Affinity purification

Storage

Store at 2-8°C. Avoid freeze. Buffer: PBS with 0.03% proclin300,0.2% BSA,pH7.3.

Validation Data





Flow cytometry: 1X10^6 293T cells(Low Expression,left) and 293T(Transfection,right) cells were intracellularly-stained with ABflo® 647 Rabbit anti-Human MMP9 mAb(A23733,5 µl/Test,orange line) or ABflo® 647 Rabbit IgG isotype control (A22070,5 µl/Test,blue line).Non-fluorescently stained cells were used as blank control (red line). Flow cytometry:1X10^6 293T(Transfection) cells were intracellularly-stained with ABflo® 647 Rabbit IgG isotype control (A22070,5 μ l/Test,left) or ABflo® 647 Rabbit anti-Human MMP9 mAb(A23733,5 μ l/Test,right).