A23535

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MMP9 Rabbit mAb

Catalog No.: A23535 Recombinant 7 Publications

Basic Information

Observed MW
100kDa

Calculated MW
78kDa

Category
Monoclonal Antibody

Applications
WB,ELISA,FC (intra)

Cross-Reactivity
Human

Clone number
ARC60372

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.

Recommended Dilutions

WB	1:1000 - 1:4000
FC (intra)	1:500 - 1:1000
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
4318

Swiss Prot
P14780

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

Synonyms
GELB; CLG4B; MMP-9; MANDP2; MMP9

Contact

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Product Information

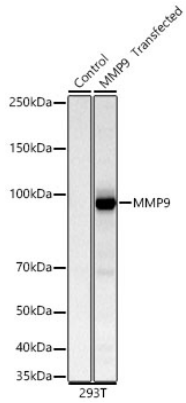
Source
Rabbit

Isotype
IgG

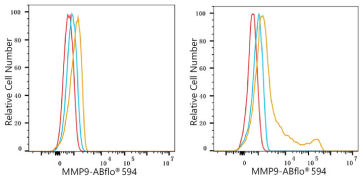
Purification
Affinity purification

Storage
Store at -20℃

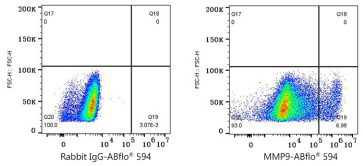
Validation Data



Western blot analysis of lysates from wild type (WT) and 293T cells transfected with MMP9 using MMP9 Rabbit mAb (A23535) at 1:1000 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.



Flow cytometry: 1X10^6 293F cells (Low Expression,left) and 293F (Transfection,right) cells were intracellularly-stained with MMP9 Rabbit mAb (A23535,2 µg/mL,orange line) or ABflo® 594 Rabbit IgG isotype control (A23821,5 µl/Test,blue line), followed by ABflo® 594-conjugated Goat Anti-Rabbit IgG (H+L) staining. Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry: 1X10^6 293F (Transfection,right) cells were intracellularly-stained with ABflo® 594 Rabbit IgG isotype control (A23821,5 µl/Test,left) or MMP9 Rabbit mAb (A23535,2 µg/mL,right).