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# ABflo® 594 Rabbit anti-Human MMP9 mAb

Catalog No.: A23734

## **Basic Information**

## **Observed MW**

#### **Calculated MW**

78kDa

## Category

Primary antibody

## **Applications**

FC (intra)

## **Cross-Reactivity**

Human

### CloneNo number

ARC60377

## Conjugate

ABflo® 594. Ex:588nm. Em:604nm.

# **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**

FC (intra)

5  $\mu$ l per 10^6 cells in 100  $\mu$ l volume

# Immunogen Information

Gene ID 4318 **Swiss Prot** 

P14780

## **Immunogen**

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

## **Synonyms**

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

## **Contact**

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## **Product Information**

Source	Isotype	Purification
Rabbit	IgG	Affinity purification

#### Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS containing 0.2% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

# **Validation Data**









Flow cytometry: 1X10^6 293T cells (Low Expression,left) and 293T (Transfection,right) cells were intracellularly-stained with ABflo® 594 Rabbit anti-Human MMP9 mAb (A23734,5 µl/Test,orange line) or ABflo® 594 Rabbit IgG isotype control (A23821,5 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® 594 Rabbit IgG isotype control (A23821,5  $\mu$ I/Test,left) or ABflo® 594 Rabbit anti-Human MMP9 mAb (A23734,5  $\mu$ I/Test,right).