

For Research Use Only

# FcZero-rAb™ Biotin Anti-Mouse MMP9 Rabbit Recombinant Antibody

Catalog Number: Biotin-FcA98396



## Basic Information

**Catalog Number:**

Biotin-FcA98396

**Concentration:**

100ug, 500 ug/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

EG0452

**GenBank Accession Number:**

NM\_013599

**GeneID (NCBI):**

17395

**UNIPROT ID:**

P41245

**Full Name:**

matrix metalloproteinase 9

**Calculated MW:**

81kd

**Purification Method:**

Protein A purification

**CloneNo.:**

230069F1

**Recommended Dilutions:**

FC (Intra): 0.25 ug per 10<sup>6</sup> cells in a 100 µl suspension

**Excitation/Emission maxima wavelengths:**

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## Applications

**Tested Applications:**

FC (Intra), ELISA

**Species Specificity:**

mouse

**Positive Controls:**

FC (Intra): LPS and Brefeldin A treated RAW 264.7 cells,

## Background Information

MMP9 (matrix metalloproteinase 9), also named as Gelatinase B, is a member of matrix metalloproteinase (MMP) family. The MMP family of enzymes is comprised of critically important extracellular matrix remodeling proteases whose activity has been implicated in normal embryogenesis, tissue remodelling and many diseases such as arthritis, cancer, periodontitis, glomerulonephritis, encephalomyelitis, atherosclerosis and tissue ulceration. MMP9 is produced by a variety of normal and transformed cells including neutrophils, monocytes, macrophages, astrocytes, fibroblasts, osteoclasts and so on. Transgenic mouse models report that MMP9 contributes to skin carcinogenesis, suppresses development of experimental abdominal aortic aneurysms, and triggers the angiogenic switch during carcinogenesis.

## Storage

**Storage:**

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.09% sodium azide, pH7.3

For technical support and original validation data for this product please contact:

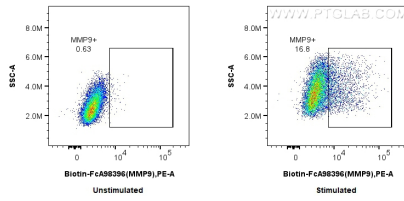
T: 4006900926

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## Selected Validation Data



1x10<sup>6</sup> untreated or LPS and Brefeldin A treated RAW 264.7 cells were intracellularly stained with 0.25 ug Biotin Anti-Mouse MMP9 Rabbit RecAb (Biotin-FcA98396, Clone: 230069F1) and Streptavidin-PE Conjugate (PE-PF00030). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019).