

For Research Use Only

# FcZero-rAb® PE Anti-Mouse MMP9 Rabbit Recombinant Antibody

Catalog Number: PE-FcA98396



## Basic Information

Catalog Number:

PE-FcA98396

Concentration:

100ug, 200 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): 0.1 ug per 10<sup>6</sup> cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

496 nm, 565 nm / 578 nm

## Applications

Tested Applications:

FC (Intra)

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 and 0.5% BSA, pH7.3

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

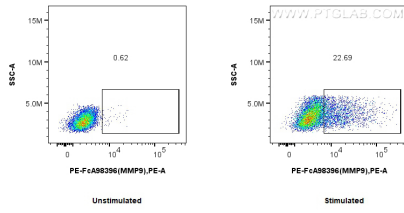
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## Selected Validation Data



1x10<sup>6</sup> untreated or LPS and Brefeldin A treated RAW 264.7 cells were intracellularly stained with 0.1 ug PE Anti-Mouse MMP9 Rabbit RecAb (PE-FcA98396, Clone: 230069F1). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019).