

MMP-9 Monoclonal antibody

Catalog Number: 60600-1-Ig

Basic Information

Catalog Number:

60600-1-Ig

Concentration:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

EG0442

GenBank Accession Number:

BC006093

GeneID (NCBI):

4318

UNIPROT ID:

P14780

Full Name:matrix metalloproteinase 9
(gelatinase B, 92kDa gelatinase,
92kDa type IV collagenase)**Calculated MW:**

707 aa, 78 kDa

Observed MW:

92 kDa

Purification Method:

Protein G purification

CloneNo.:

3C3E2

Recommended Dilutions:

WB: 1:2000-1:10000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB: U2OS cells,

Background Information

Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, tissue remodeling, and disease processes, such as arthritis or metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. Matrix metalloproteinase 9 (gelatinase B, 92 kDa gelatinase, 92 kDa type IV collagenase) (MMP9, synonyms: GELB, CLG4B) degrades collagens type IV and V. Studies in rhesus monkeys suggest that MMP9 is involved in IL-8-induced mobilization hematopoietic progenitor cells from bone marrow, and murine studies suggest a role in tumor-associated tissue remodeling (PMID:7492685).

Storage

Storage:

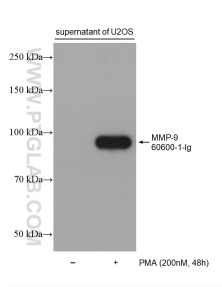
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Supernatant from non-treated and PMA treated U2OS cells were subjected to SDS PAGE followed by western blot with 60600-1-Ig (MMP-9 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.