

For Research Use Only

Mouse Mmp9 Recombinant monoclonal antibody, PBS Only

Catalog Number: 82854-1-PBS



Basic Information

Catalog Number:

82854-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG0452

GenBank Accession Number:

NM_013599

GeneID (NCBI):

17395

UNIPROT ID:

P41245-1

Full Name:

matrix metalloproteinase 9

Calculated MW:

81kd

Observed MW:

92-100 kDa

Purification Method:

Protein A purification

CloneNo.:

5A1

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

mouse

Background Information

Mmp9 (matrix metalloproteinase 9), also known as Clg4b. It is expected to be located in extracellular matrix. 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. 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. The pro-MMP9 is 92 kDa, and it can be detected as a processed form of 68 kDa. This protein can exist as a dimer of 180 kDa (PMID:7492685).

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

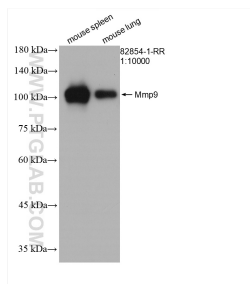
T: 4006900926

E: Proteintech-CN@ptglab.com

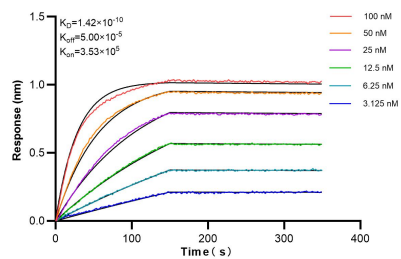
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82854-1-RR (Mmp9 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82854-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 82854-1-RR against Mouse Mmp9 were performed. The affinity constant is 0.142 nM.