

For Research Use Only

MMP-9 Monoclonal antibody

Catalog Number: 60600-1-Ig



Basic Information

Catalog Number: 60600-1-Ig	GenBank Accession Number: BC006093	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 4318	CloneNo.: 3C3E2
Source: Mouse	UNIPROT ID: P14780	Recommended Dilutions: WB: 1:2000-1:10000
Isotype: IgG1	Full Name: matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase)	
Immunogen Catalog Number: EG0442	Calculated MW: 707 aa, 78 kDa	
	Observed MW: 92 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : U2OS cells,
Species Specificity: human	

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

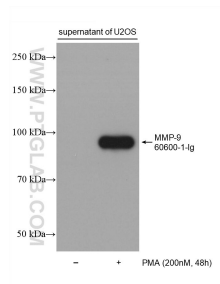
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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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.