

For Research Use Only

# MMP12 Monoclonal antibody, PBS Only



Catalog Number: 66930-1-PBS

Featured Product

## Basic Information

Catalog Number:

66930-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG19068

GenBank Accession Number:

BC112301

GeneID (NCBI):

4321

UNIPROT ID:

P39900

Full Name:

matrix metalloproteinase 12  
(macrophage elastase)

Calculated MW:

470 aa, 54 kDa

Observed MW:

54 kDa, 45 kDa

Purification Method:

Protein G purification

CloneNo.:

1C6B5

## Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

Human

## Background Information

MMP12 (Matrix metalloproteinase-12) is a 54 kDa proenzyme that is processed into a 45 kDa and then a 22 kDa active form (15723202). MMP9 and MMP12 promote intimal thickening by independent cleavage of N-cadherin, which elevates vascular smooth muscle cell proliferation via beta-catenin signalling. Its overexpression in myeloid lineage cells plays a key role in modulating myelopoiesis, immune suppression, and lung tumorigenesis (PMID: 21378275).

## Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

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

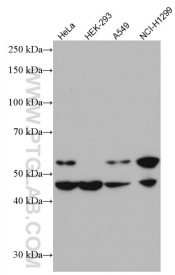
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66930-1-Ig (MMP12 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66930-1-PBS in a different storage buffer formulation.