

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.

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

Storage Buffer:

PBS Only

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

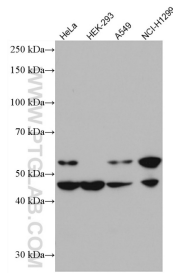
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.