

For Research Use Only

CoraLite® Plus 488-conjugated MMP3 Monoclonal antibody



Catalog Number: **CL488-66338**

Featured Product

Basic Information

Catalog Number:

CL488-66338

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG12359

GenBank Accession Number:

BC074869

GeneID (NCBI):

4314

UNIPROT ID:

P08254

Full Name:

matrix metalloproteinase 3
(stromelysin 1, progelatinase)

Calculated MW:

477 aa, 54 kDa

Observed MW:

45-60 kDa

Purification Method:

Protein G purification

CloneNo.:

1F5A9

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human, rat, mouse, pig

Positive Controls:

IF/ICC : A549 cells,

Background Information

Matrix metalloproteinases (MMPs) play a critically important role in extracellular matrix remodeling and have been implicated in a number of key normal and pathologic processes. These proteases have come to represent important therapeutic and diagnostic targets for the treatment and detection of human cancers. MMP-3 activate procollagenase via two pathways: slow direct activation and rapid activation in conjunction with tissue or plasma proteinases. The pro-MMP3 (60 kDa) and the active MMP3 (47 kDa) can be detected through western blot.

Storage

Storage:

Store at -20°C. Avoid exposure to light.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

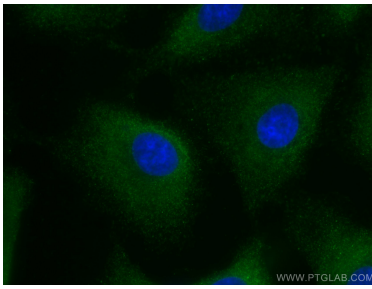
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed A549 cells using CoraLite® Plus 488 MMP3 antibody (CL488-66338, Clone: 1F5A9) at dilution of 1:200.