

For Research Use Only

MMP3 Recombinant monoclonal antibody

Catalog Number: 82984-4-RR

1 Publications



Basic Information

Catalog Number:

82984-4-RR

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG0382

GenBank Accession Number:

BC074815

GeneID (NCBI):

4314

UNIPROT ID:

P08254

Full Name:

matrix metalloproteinase 3
(stromelysin 1, progelatinase)

Observed MW:

55 kDa

Purification Method:

Protein A purification

CloneNo.:

230535G8

Recommended Dilutions:

WB: 1:5000-1:50000

FC (Intra): 0.40 ug per 10⁶ cells in a
100 µl suspension

Applications

Tested Applications:

WB, FC (Intra), ELISA

Cited Applications:

WB, IHC

Species Specificity:

human

Cited Species:

mouse

Positive Controls:

WB : U-87 MG cells, A2780 cells

FC (Intra) : HepG2 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.

Notable Publications

Author	Pubmed ID	Journal	Application
Haokun Mo	39564812	Bone Joint Res	WB, IHC

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

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

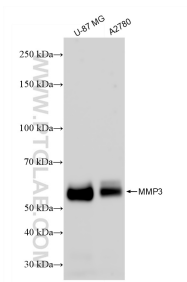
T: 4006900926

E: Proteintech-CN@ptglab.com

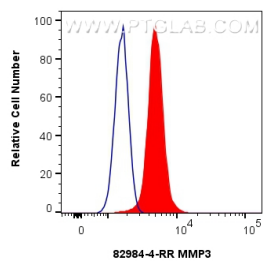
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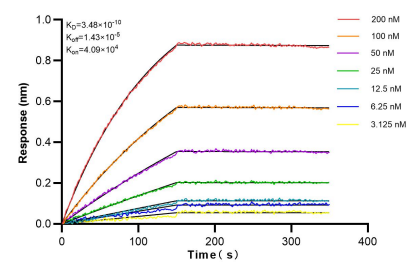
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82984-4-RR (MMP3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



1x10⁶ HepG2 cells were intracellularly stained with 0.4 ug MMP3 Recombinant antibody (82984-4-RR, Clone:230535G8) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.4 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer.



Biolayer interferometry (BLI) kinetic assays of 82984-4-RR against Human MMP3 were performed. The affinity constant is 0.348 nM.