

For Research Use Only

CoraLite® Plus 488-conjugated MMP13 Polyclonal antibody



Catalog Number: **CL488-18165**

Basic Information

Catalog Number: CL488-18165	GenBank Accession Number: BC074808	Purification Method: Antigen affinity purification
Size: 1000 µg/ml	GeneID (NCBI): 4322	Recommended Dilutions: IF 1:50-1:500
Source: Rabbit	UNIPROT ID: P45452	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG	Full Name: matrix metalloproteinase 13	
Immunogen Catalog Number: AG12653	Calculated MW: 471 aa, 54 kDa	
	Observed MW: 65-70 kDa, 50-55 kDa, 40 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF : MCF-7 cells,
Species Specificity: human, mouse, rat	

Background Information

MMP-13 (Matrix metalloproteinase-13), cleaves type I collagen and was previously thought to be the rodent analogue of human interstitial MMP-1. MMP-13 is found in hypertrophic and calcifying cartilage of mammalian growth plate. The bands seen with rat MMP-13 are consistent with a 59-kDa latent form and a 43-kDa active form reported for this enzyme, along with a smaller band at approximately 30 kDa (PMID:10771523). It also can be detected 3 bands that the glycosylated proMMP-13 (70 kDa), unglycosylated proform (55 kDa), and active MMP-13 enzyme (40kDa) by western blot (PMID:18332263).

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
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:

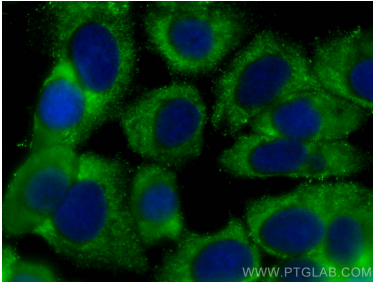
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using CoraLite® Plus 488 MMP13 antibody (CL488-18165) at dilution of 1:200.