

For Research Use Only

MMP12 Monoclonal antibody

Catalog Number: 66930-1-Ig

Featured Product

2 Publications



Basic Information

Catalog Number: 66930-1-Ig	GenBank Accession Number: BC112301	Purification Method: Protein G purification
Size: 150ul , Concentration: 2285 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 4321	CloneNo.: 1C6B5
Source: Mouse	Full Name: matrix metalloproteinase 12 (macrophage elastase)	Recommended Dilutions: WB 1:1000-1:3000
Isotype: IgG1	Calculated MW: 470 aa, 54 kDa	
Immunogen Catalog Number: AG19068	Observed MW: 54 kDa, 45 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HeLa cells, A549 cells, HEK-293 cells, NCI-H1299 cells
Cited Applications: IHC, WB	
Species Specificity: Human	
Cited Species: mouse	

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).

Notable Publications

Author	Pubmed ID	Journal	Application
Wenwen Chen	34616145	Drug Des Devel Ther	WB
Saphala Dhital	34516951	Eur J Pharmacol	IHC

Storage

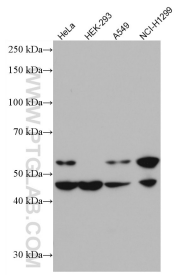
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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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



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.