

TIMP1

Mouse Anti-Human TIMP 1 (Clone 4A16) mAb

Catalog No.	CMT150	Quantity:	100 µg
Alternate Names:	Metalloproteinase inhibitor 1, Erythroid-potentiating activity, EPA, Fibroblast collagenase inhibitor, Tissue Inhibitor of Metalloproteinase 1, TIMP 7076		
Description:	TIMPs-1 through -4 regulate the activity of zinc metalloproteases known as MMPs, ADAMs and ADAMTSs. Structurally, TIMPs contain two domains. The N-terminal domain binds to the active site of mature metalloproteases via a 1:1 non-covalent interaction, blocking access of substrates to the catalytic site. In addition, The C-terminal domain of TIMP-1 and TIMP-2 binds to the hemopexin- like domain of pro-MMP-9 and pro-MMP-2, respectively. The latter binding is essential for the cell surface activation of MMP-2 by MMP-14.		
UniProt ID:	P01033		
Gene ID:	7076		
Specificity:	Recognizes human TIMP1		
Host:	Mouse		
Immunogen:	Recombinant human TIMP1		
Isotype:	IgG1		
Clone:	4A16		
Formulation:	Lyophilized from sterile filtered PBS		
Purification:	Protein G affinity chromatography		
Reconstitution:	Centrifuge vial prior to opening. Add 500 µl sterile PBS to the vial to fully solubilize the antibody to a concentration of 200 µg/ml.		
Cross-Reactivity:	No cross-reactivity to human TIMP2		
Application Notes:	Western Blot: use a working dilution of 1:100-1000 Immunohistochemistry (Paraffin): use a working dilution of 1:50-200. The optimal concentration should be determined by the user for each specific application.		
Storage & Stability:	Lyophilized antibody is stable for 1 year at -20°C to -80°C. Reconstituted antibody is stable for six months in working aliquots at -20°C to -80°C. Avoid repeated freeze-thaw cycles.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

