

Mouse TIMP2 Monoclonal Antibody | anti-TIMP2 antibody

TIMP2 (TIMP Metalloproteinase Inhibitor 2, CSC-21K) (Biotin)

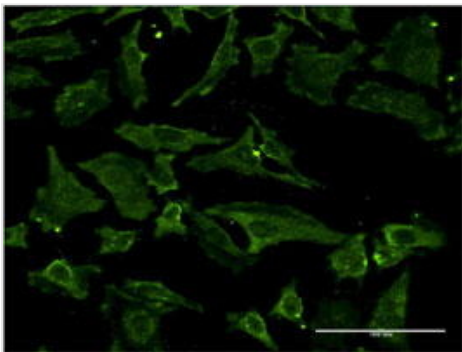
CATALOG # AAA26283	HOST Mouse	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

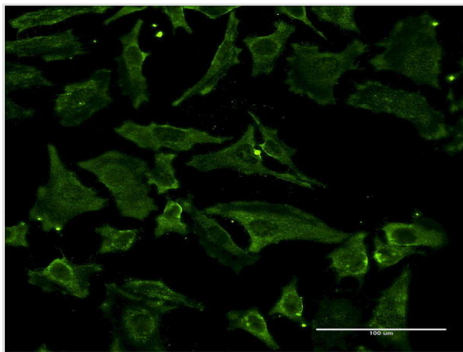
TIMP2; Monoclonal Antibody; TIMP2 (TIMP Metalloproteinase Inhibitor 2; CSC-21K) (Biotin); TIMP Metalloproteinase Inhibitor 2; CSC-21K; anti-TIMP2 antibody

PRODUCT SPECIFICATIONS

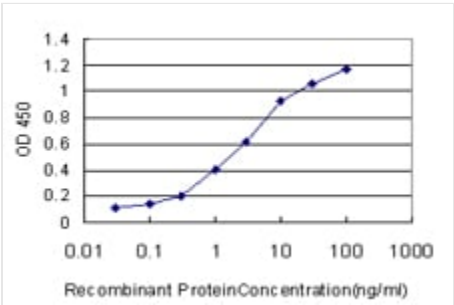
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	1C3
Specificity	Recognizes TIMP2.
Purity/Purification	Purified
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Sequence Length	220
Applicable Applications for anti-TIMP2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	Applications are based on unconjugated antibody.
Immunogen	TIMP2 (AAH52605, 27aa-220aa) full-length recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	CSCSPVHPQQAFCNADVIRAKAVSEKEVDSGNDIYGNIPIKRIQYEIKQIKMFKGPEKDIEFIYTAPSSAVCGVSLDVGGKKEYLIAGKAEGDGKMHITLCD
Conjugate	Biotin
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.



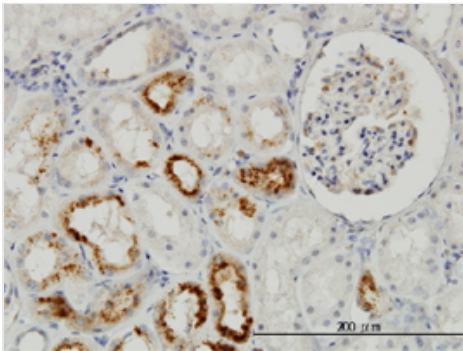
IF (Immunofluorescence)
Immunofluorescence of monoclonal antibody to TIMP2 on HeLa cell. [antibody concentration 10 ug/ml]



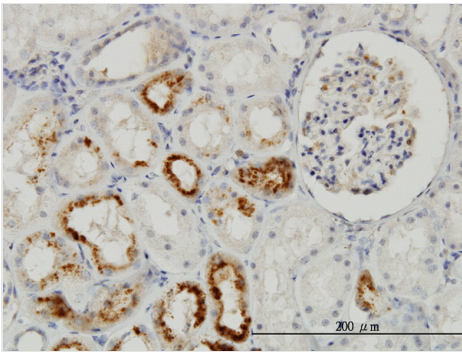
IF (Immunofluorescence)
Immunofluorescence of monoclonal antibody to TIMP2 on HeLa cell. [antibody concentration 10 ug/ml]



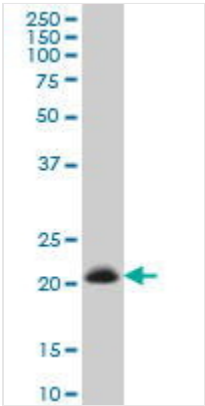
Application Data
Detection limit for recombinant GST tagged TIMP2 is approximately 0.1ng/ml as a capture antibody.



IHC (Immunohistochemistry)
Immunoperoxidase of monoclonal antibody to TIMP2 on formalin-fixed paraffin-embedded human kidney. [antibody concentration 3 ug/ml]



IHC (Immunohistochemistry)
Immunoperoxidase of monoclonal antibody to TIMP2 on formalin-fixed paraffin-embedded human kidney. [antibody concentration 3 ug/ml]



WB (Western Blot)
TIMP2 monoclonal antibody (M03), clone 1C3 Western Blot analysis of TIMP2 expression in HeLa (Cat # L013V1).

ADDITIONAL INFORMATION

Related Product Information for anti-TIMP2 antibody	This gene is a member of the TIMP gene family. The proteins encoded by this gene family are natural inhibitors of the matrix metalloproteinases, a group of peptidases involved in degradation of the extracellular matrix. In addition to an inhibitory role against metalloproteinases, the encoded protein has a unique role among TIMP family members in its ability to directly suppress the proliferation of endothelial cells. As a result, the encoded protein may be critical to the maintenance of tissue homeostasis by suppressing the proliferation of quiescent tissues in response to angiogenic factors, and by inhibiting protease activity in tissues undergoing remodelling of the extracellular matrix. [provided by RefSeq]
Product Categories/Family for anti-TIMP2 antibody	Antibodies; Matrix Metalloproteinases

NCBI AND UNIPROT INFORMATION

NCBI GI #	30851688
NCBI GeneID	7077
NCBI Official Full Name	TIMP metallopeptidase inhibitor 2
NCBI Official Synonym Full Names	TIMP metallopeptidase inhibitor 2
NCBI Official Symbol	TIMP2
NCBI Official Synonym Symbols	DDC8; CSC-21K
NCBI Protein Information	metalloproteinase inhibitor 2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/timp2-antibody-clone-1c3-immunofluorescence-immunohistochemistry-western-blot-elisa/26283>