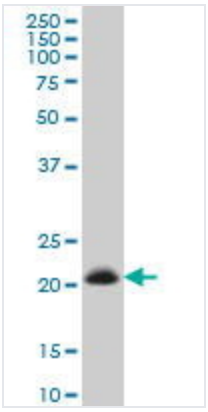
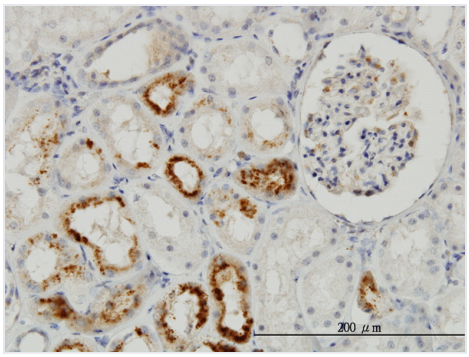
TIMP2 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

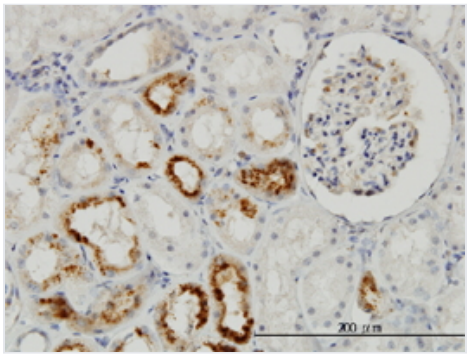
Product Name	TIMP2, Monoclonal Antibody
Full Product Name	TIMP2 (TIMP Metallopeptidase Inhibitor 2, CSC-21K) (HRP)
Product Gene Name	anti-TIMP2 antibody
Product Synonym Names	TIMP Metallopeptidase Inhibitor 2; CSC-21K
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	1C3
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with horseradish peroxidase (HRP).
Purity/Purification	Purified
Specificity	Recognizes TIMP2.
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 stor Further dilutions can be made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For
Immunogen	TIMP2 (AAH52605, 27aa-220aa) full-length recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	CSCSPVHPQQAFCNADVVIRAKAVSEKEVDSGNDIYGNPIKRIQYEIKQIKMFKGPEKDIEFIYTAPSSAVCGVSLDVGGKKEYLIAGKAEGDGKMHITLCDF
Conjugate	HRP
Product Categories/Family for anti-TIMP2 antibody	Antibodies; Matrix Metalloproteinases
Applications Tested/Suitable for anti-TIMP2 antibody	Immunofluorescence (IF), Immunohistochemistry (IHC), Western Blot (WB)
Application Notes for anti-TIMP2 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-TIMP2 antibody	MBS6183166 is an antibody targeting TIMP2. Also known as TIMP2 (TIMP Metallopeptidase Inhibitor 2, CSC-21K) (HRP). Host: Mouse.
Other Notes	Small volumes of anti-TIMP2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necess with dry ice and additional dry ice fee may apply.



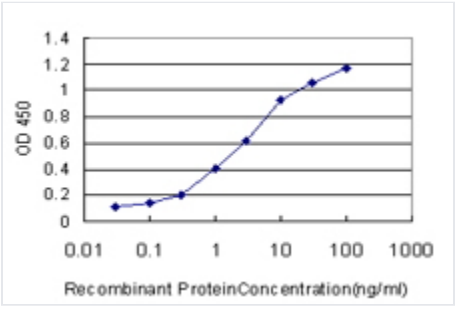
Western Blot (WB) of anti-TIMP2 antibody
TIMP2 monoclonal antibody (M03), clone 1C3 Western Blot analysis of TIMP2 expression in HeLa (Cat # L013V1).



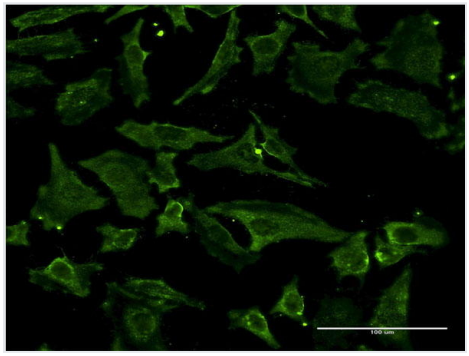
Immunohistochemistry (IHC) of anti-TIMP2 antibody
Immunoperoxidase of monoclonal antibody to TIMP2 on formalin-fixed paraffin-embedded human kidney. [antibody concentration 3 ug/ml]



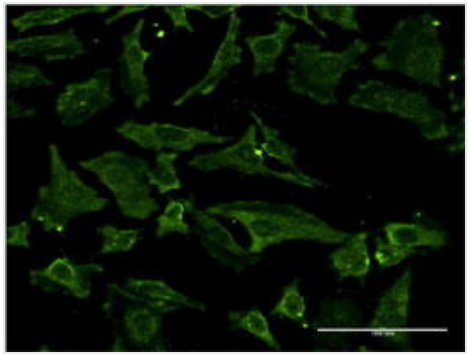
Immunohistochemistry (IHC) of anti-TIMP2 antibody
Immunoperoxidase of monoclonal antibody to TIMP2 on formalin-fixed paraffin-embedded human kidney. [antibody concentration 3 ug/ml]



Testing Data of anti-TIMP2 antibody
Detection limit for recombinant GST tagged TIMP2 is approximately 0.1ng/ml as a capture antibody.



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



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

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TIMP2. It may not necessarily be applicable to this product.

NCBI GI #	30851688
NCBI GeneID	7077
NCBI Accession #	AAH52605
UniProt Related Accession #	P16035
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
Protein Family	Metalloproteinase inhibitor
NCBI Protein Information	metalloproteinase inhibitor 2
NCBI Summary for TIMP2	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, Jul 2008]
Research Articles on TIMP2	**1.** In the Chinese population, we found that MMP3-rs522616, MMP2-rs1053605, TIMP2-rs4789936 were associated with decreased risk of colorectal cancer; while TIMP3-rs715572 was correlated with increased risk of colorectal cancer.
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