

Mouse TIMP2 (Tissue Inhibitor of Metalloproteinase 2) Monoclonal Antibody | anti-TIMP2 antibody

TIMP2 (Tissue Inhibitor of Metalloproteinase 2)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA214698	Mouse	Human. Others not known.	Immunohistochemistry, ELISA

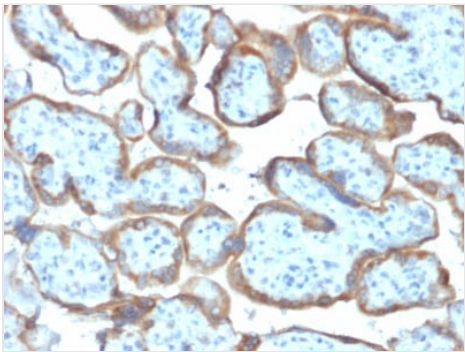
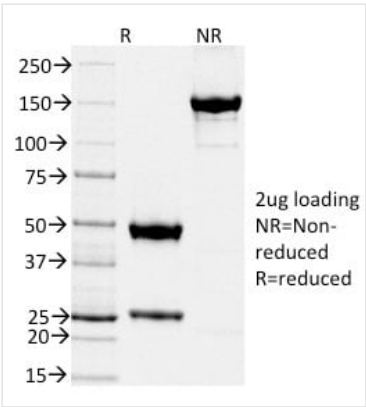
PRODUCT SYNONYMS

TIMP2 (Tissue Inhibitor of Metalloproteinase 2); Monoclonal Antibody; Metalloproteinase inhibitor 2; TIMP metalloproteinase inhibitor 2; TIMP-2; Tissue Inhibitor of Metalloproteinase 2; anti-TIMP2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human. Others not known.
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	TIMP2/2044
Specificity	It recognizes a protein of 21kDa, identified as tissue inhibitor of metalloproteinases-2 (TIMP-2). It is closely related to TIMP-1 and shows the highest binding affinity to both the latent (pro) and active forms of 72kDa Type IV collagenase (also known as MMP-2 or gelatinase A). It also has affinity for the active form of 92kDa Type IV collagenase (also known as MMP-9 or gelatinase B). TIMP-2 inhibits the proteolytic invasiveness of tumor cells and normal placental trophoblast cells.
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	220
Applicable Applications for anti-TIMP2 antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant human TIMP2 protein fragment (aa 48-220)
Cellular Localization	Cytoplasm and Cell Surface
Hu-chromosome Location	17q25
Positive Control	HeLa cells. Normal Placenta. Breast, Colon, Endometrial, Prostate or Ovarian Carcinoma.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Placenta stained with TIMP2 Mouse Monoclonal Antibody (TIMP2/2044).

SDS-PAGE
SDS-PAGE Analysis Purified TIMP2 Mouse Monoclonal Antibody (TIMP2/2044).Confirmation of Purity and Integrity of Antibody.

ADDITIONAL INFORMATION

References	Murray et al. 1998. Gut. 43(6):791-7. Jeffery et al. 2009. Histopathology. 54(7):820-8
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4507511
NCBI GeneID	7077
NCBI Accession #	NP_003246.1
NCBI GenBank Nucleotide #	NM_003255.4
UniProt Accession #	P16035; Q16121; Q93006; Q9UDF7
Molecular Weight	21kDa
NCBI Official Full Name	metalloproteinase inhibitor 2
NCBI Official Synonym Full Names	TIMP metalloproteinase inhibitor 2
NCBI Official Symbol	TIMP2
NCBI Official Synonym Symbols	DDC8; CSC-21K
NCBI Protein Information	metalloproteinase inhibitor 2
UniProt Protein Name	Metalloproteinase inhibitor 2
UniProt Gene Name	TIMP2
UniProt Synonym Gene Names	TIMP-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.