

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

TIMP2 (Tissue Inhibitor of Metalloproteinase 2)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA214536	Mouse	Human, Mouse, Rat, Guinea pig, Rabbit, Cow, Zebrafish. Others not known.	Immunohistochemistry, Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay

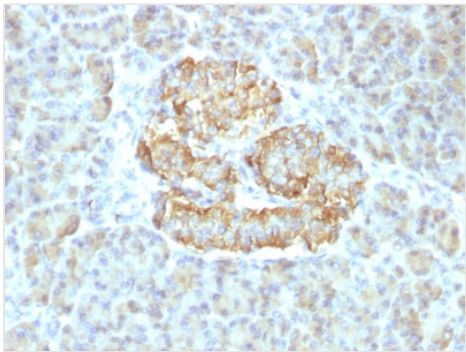
PRODUCT SYNONYMS

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

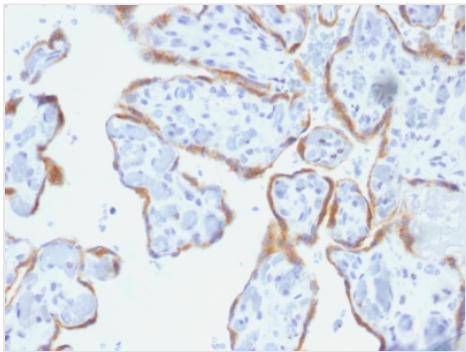
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat, Guinea pig, Rabbit, Cow, Zebrafish. Others not known.
Clonality	Monoclonal
Isotype	IgG2a, kappa
Clone Number	SPM356
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), WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Immunogen	A synthetic peptide from the N-terminus of human TIMP2 protein (aa56-66) (DSGNDIYGNPI)
Cellular Localization	Cytoplasm and Cell Surface
Hu-chromosome Location	17q25
Positive Control	HeLa cells. Normal Placenta. Breast, Colon, Endometrial, Prostate or Ovarian Carcinoma.
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded Human Pancreas stained with TNF alpha Rabbit Recombinant MAb (TNF/1500R).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Placenta stained with TIMP2 Monoclonal Antibody (SPM356).

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/timp2-tissue-inhibitor-of-metalloproteinase-2-antibody-clone-spm356-immunohistochemistry-western-blot-immunofluorescence-flow-cytometry-elisa/214536>