TIMP1 Antibody – Monoclonal

PRODUCT OVERVIEW

Product Name	TIMP1, Monoclonal Antibody
Full Product Name	TIMP1 monoclonal antibody
Product Gene Name	anti-TIMP1 antibody
Product Synonym Names	Mouse anti-human TIMP1 monoclonal antibody
Clonality	Monoclonal
Isotype	IgG2a
Form/Format	In PBS (pH 7.4)
Specificity	Human TIMP1
Preparation and Storage	Aliquot and store at-20 or-80 degree C. Avoid repeated freeze/thaw cycles.
Molecular Weight	23,171 Da
3D Structure	ModBase 3D Structure for Q6FGX5
Applications Tested/Suitable for anti-TIMP1 antibody	Chemiluminescence Immunoassays (CLIA), ELISA (EIA)
Related Product Information for anti-TIMP1 antibody	MBS5310792 is an antibody targeting TIMP1. Also known as TIMP1 monoclonal antibody.
Other Notes	Small volumes of anti-TIMP1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TIMP1. It may not necessarily be applicable to this product.

NCBI GI #	49456917
NCBI GeneID	7076
NCBI Accession #	CAG46779.1
UniProt Primary Accession #	Q6FGX5
UniProt Related Accession #	P01033
NCBI Official Full Name	TIMP1
NCBI Official Synonym Full Names	TIMP metallopeptidase inhibitor 1
NCBI Official Symbol	TIMP1
NCBI Official Synonym Symbols	EPA; EPO; HCI; CLGI; TIMP; TIMP-1
UniProt Protein Name	TIMP metallopeptidase inhibitor 1, isoform CRA_a
UniProt Synonym Protein Names	TIMP metallopeptidase inhibitor 1, isoform CRA_a
Protein Family	Metalloproteinase inhibitor

UniProt Gene Name	TIMP1
NCBI Protein Information	metalloproteinase inhibitor 1
NCBI Summary for TIMP1	This gene belongs to the TIMP gene family. The proteins encoded by this gene family are natural inhibitors of the matrix metalloproteinases (MMPs), a group of peptidases involved in degradation of the extracellular matrix. In addition to its inhibitory role against most of the known MMPs, the encoded protein is able to promote cell proliferation in a wide range of cell types, and may also have an anti-apoptotic function. Transcription of this gene is highly inducible in response to many cytokines and hormones. In addition, the expression from some but not all inactive X chromosomes suggests that this gene inactivation is polymorphic in human females. This gene is located within intron 6 of the synapsin I gene and is transcribed in the opposite direction. [provided by RefSeq, Jul 2008]
Research Articles on TIMP1	**1.** corticosteroid-resistant patients have higher basal MMP-9 levels and produce more MMP-9 levels in response to IL-1beta.
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