

Mouse TIMP2 Monoclonal Antibody | anti-TIMP2 antibody

TIMP2 antibody

CATALOG # AAA108023	HOST Mouse	APPLICATIONS Western Blot, Immunohistochemistry, Flow Cytometry, Functional Assay
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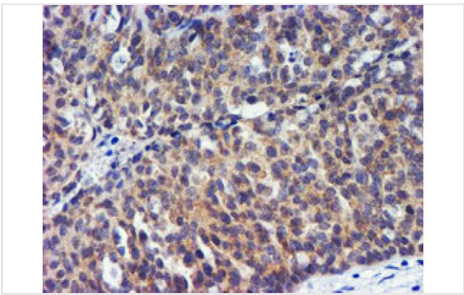
PRODUCT SYNONYMS

TIMP2; Monoclonal Antibody; TIMP2 antibody; Monoclonal TIMP2; Anti-TIMP2; TIMP metallopeptidase inhibitor 2; CSC-21K; Tissue inhibitor of metalloproteinase 2; Metalloproteinase inhibitor 2; TIMP 2; TIMP-2; anti-TIMP2 antibody

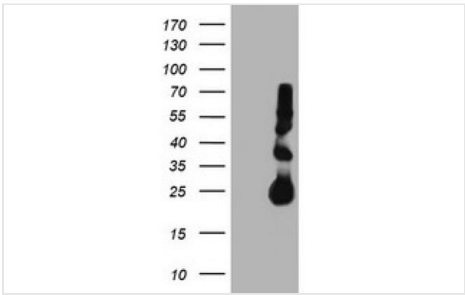
PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	2G7
Purity/Purification	TIMP2 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	220
Applicable Applications for anti-TIMP2 antibody	WB (Western Blot), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Biological Significance	TIMP2 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.
Cross-Reactivity	Human
Immunogen	TIMP2 antibody was raised in mouse using a full length recombinant protein of human TIMP2 (NP_003246) produced in HEK293T cells as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

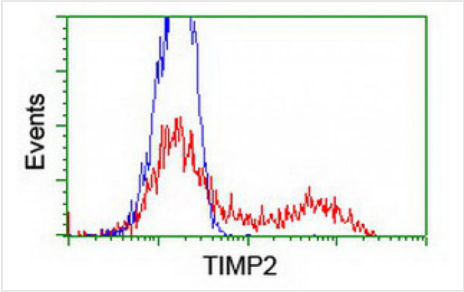
IMAGES



IHC (Immunohistochemistry)
Immunohistochemical analysis of TIMP2 protein in paraffin embedded Adenocarcinoma of Human ovary tissue using TIMP2 antibody



WB (Western Blot)
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant TIMP2 protein (Right) or empty vector (Left) detected with TIMP2 antibody



FCM/FACS (Flow Cytometry)
Flow Cytometric analysis of HEK293T cells transfected with either recombinant TIMP2 protein (red) or empty vector (blue) stained using TIMP2 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-TIMP2 antibody	Mouse monoclonal TIMP2 antibody
Product Categories/Family for anti-TIMP2 antibody	Proteases; Inhibitors; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	823672964
NCBI GeneID	7077
Molecular Weight	24,399 Da
NCBI Official Full Name	TIMP2, partial
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
UniProt Entry Name	TIMP2_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/timp2-antibody-clone-2g7-western-blot-immunohistochemistry-flow-cytometry-elisa/108023>