

Product datasheet for **TA327966**

TIMP2 Mouse Monoclonal Antibody [Clone ID: F27P3A4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	F27P3A4
Applications:	WB
Recommended Dilution:	WB, IHC, ELISA
Reactivity:	Human, Mouse, Rabbit, Chicken, Zebrafish, Pig, Porcine
Host:	Mouse
Isotype:	IgG2a, kappa
Clonality:	Monoclonal
Immunogen:	Ovalbumin-conjugated synthetic Peptide DSGNDIYGNPI
Formulation:	This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide at 0.5 mg/ml.
Concentration:	lot specific
Purification:	The antibody was purified by affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	24 kD
Gene Name:	TIMP metalloproteinase inhibitor 2
Database Link:	NP_003246 Entrez Gene 21858 Mouse Entrez Gene 7077 Human P16035



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Background:

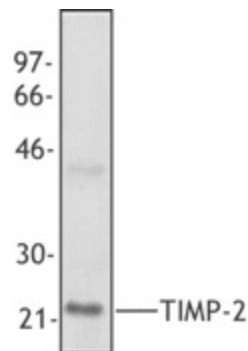
TIMP-2 (Tissue inhibitor of metalloproteinase 2) is a nonglycosylated protein that belongs to the protease inhibitor I35 (TIMP) family. Contains 1 NTR domain, predicted molecular weight 24 kD. The mechanisms of TIMPs inhibit angiogenesis appear to be specific for each member of the TIMP family. TIMP-2 binds to the surface of human endothelial cells through interaction with the integrin $\alpha 3\beta 1$, and abrogates angiogenic factor induced endothelial cell proliferation in vitro and angiogenesis in vivo independent of MMP inhibition. Clone F27P3A4 has been shown to be useful for western blotting, immunohistochemistry and ELISA of human, mouse, rabbit, chicken, zebrafish, and pig TIMP-2.

Synonyms:

CSC-21K; DDC8

Protein Families:

Druggable Genome, Secreted Protein

Product images:

Western blot analysis of recombinant human TIMP-2 protein using anti-TIMP-2, clone F27P3A4.