

Product datasheet for **TA319578**

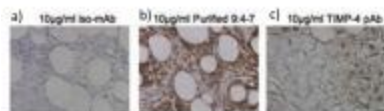
TIMP4 Mouse Monoclonal Antibody [Clone ID: 9:4-7]

Product data:

Product Type:	Primary Antibodies
Clone Name:	9:4-7
Applications:	IHC
Recommended Dilution:	ELISA: 1:20,000 to 1:100,000, WB: 1:2,000 to 1:10,000, IHC: 5-10ug/mL
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Immunogen:	Anti-TIMP4 (MOUSE) Monoclonal Antibody was produced in mouse by repeated immunizations with full length human TIMP4 protein followed by hybridoma development.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	TIMP metalloproteinase inhibitor 4
Database Link:	NP_003247 Entrez Gene 110595 Mouse Entrez Gene 7079 Human Q99727
Synonyms:	TIMP metalloproteinase inhibitor 4; tissue inhibitor of metalloproteinase 4
Note:	Tissue inhibitor of metalloproteinase-4 (TIMP-4) is member of the TIMP family of inhibitors of matrix metalloproteinase (MMP) activities. In addition, TIMPs have non-MMP associated functions, including roles in growth promotion, apoptosis, and angiogenesis. All four members of the TIMP gene family form a similar secondary structure due to the formation of six highly conserved disulfide bonds. It has been reported that some TIMPs, TIMP4 included, can bind a tetraspanin in the plasma membrane, initiating an intra-cellular signaling cascade. Elevated levels of TIMP4 have been associated with breast cancer progression and heart disease.
Protein Families:	Druggable Genome, Secreted Protein



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Product images:

Immunohistochemistry of Mouse Anti-TIMP4 Antibody. Tissue: human breast carcinoma. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: a) isotype specific IgG2bk monoclonal; b) TIMP-4 antibody (clone 9:4-7); and c) TIMP-4 each at 10 ug/mL. Secondary antibody: Peroxidase mouse secondary antibody at 1:10,000 for 45 min at RT. Localization: TIMP-4 is secreted. Staining: TIMP-4 as precipitated brown signal.