TIMP2 (Tissue Inhibitor of Metalloproteinase 2) Antibody

Mouse Monoclonal Antibody [Clone TIMP2/4477]

Catalog No	Format	Size
7077-MSM7-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
7077-MSM7-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
7077-MSM7-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

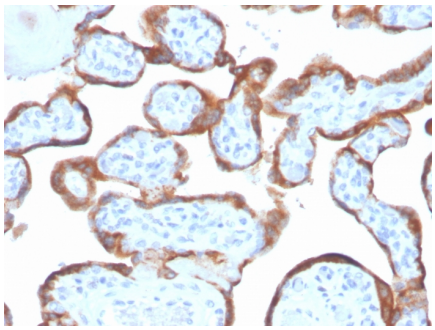
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

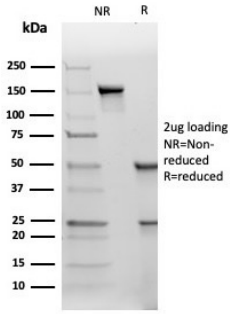
Clone	TIMP2/4477
Gene Name	TIMP2
Immunogen	Recombinant full-length human TIMP2 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	21kDa
Cellular Localization	Secreted
Species Reactivity	Human
Positive Control	Breast, HeLa cells. Normal human placenta, Prostate or Ovarian Carcinoma.

**Optimal dilution for a specific application should be determined.*

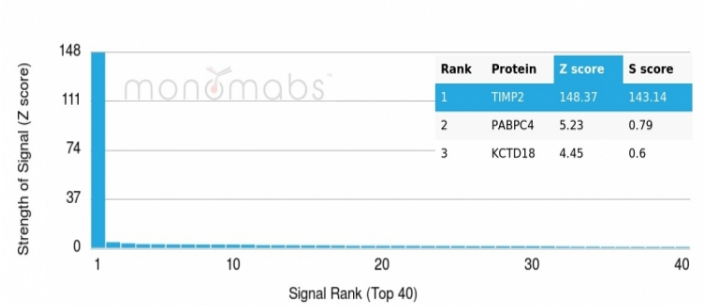
Product Images for TIMP2 (Tissue Inhibitor of Metalloproteinase 2) Antibody



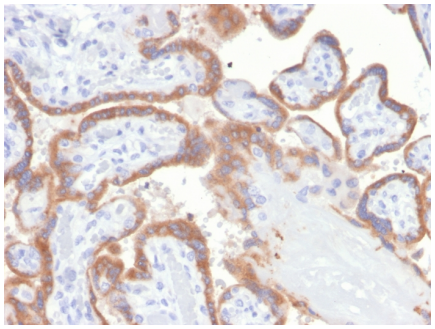
Formalin-fixed, paraffin-embedded human placenta stained with TIMP2 Mouse Monoclonal Antibody (TIMP2/4477).



SDS-PAGE Analysis of Purified TIMP2 Mouse Monoclonal Antibody (TIMP2/4477). Confirmation of Purity and Integrity of Antibody.



Analysis of Protein Array containing more than 19,000 full-length human proteinsusing TIMP2 Mouse Monoclonal Antibody (TIMP2/4477) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Formalin-fixed, paraffin-embedded human placenta stained with TIMP2Mouse Monoclonal Antibody (TIMP2/4477).

Specificity & Comments

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.

Supplied As

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.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

AKT Signaling, Angiogenesis, Cardiovascular, Immunology

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.