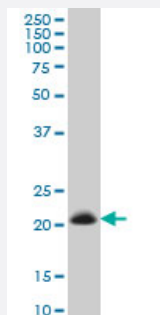


TIMP2 monoclonal antibody (M03), clone 1C3

Catalog # H00007077-M03

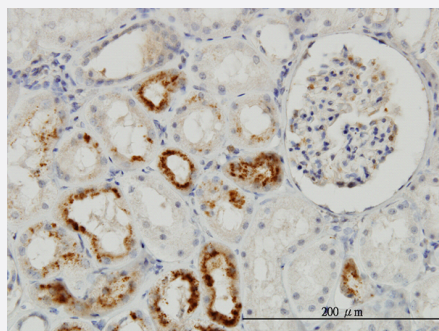
Size 100 ug

Applications



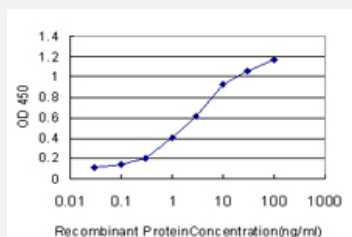
Western Blot (Cell lysate)

TIMP2 monoclonal antibody (M03), clone 1C3 Western Blot analysis of TIMP2 expression in HeLa (Cat # L013V1).



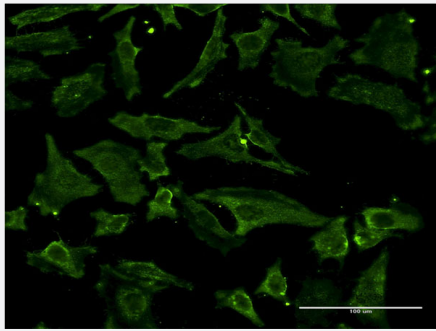
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to TIMP2 on formalin-fixed paraffin-embedded human kidney. [antibody concentration 3 ug/ml]



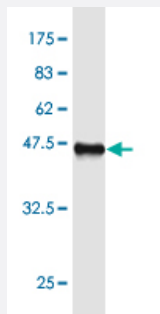
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged TIMP2 is approximately 0.1ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to TIMP2 on HeLa cell . [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (47.08 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant TIMP2.
Immunogen	TIMP2 (AAH52605, 27 a.a. ~ 220 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	CSCSPVHPQQAFCNADVIRAKAVSEKEVDSGNDYGNPIKRIQYEIKQIKMFKGPEKDIEFYTAPS SAVCGVSLDVGGKKEYLIAGKAEKDGKMHITLCDFIVPWDTLSTTQKKSLNHRYQMGCECKITRC PMIPCYISSPDECLWMDWVTEKNINGHQAKFFACIKRSDGSCAWYRGAAPPKQEFLDIEDP
Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (47.08 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

TIMP2 monoclonal antibody (M03), clone 1C3 Western Blot analysis of TIMP2 expression in HeLa (Cat # L013V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

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[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to TIMP2 on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — TIMP2

Entrez GeneID [7077](#)

GeneBank Accession# [BC052605](#)

Protein Accession# [AAH52605](#)

Gene Name TIMP2

Gene Alias CSC-21K

Gene Description TIMP metalloproteinase inhibitor 2

Omim ID [188825](#)

Gene Ontology [Hyperlink](#)

Gene Summary

This gene 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. [provided by RefSeq]

Other Designations

tissue inhibitor of metalloproteinase 2|tissue inhibitor of metalloproteinases 2

Disease

- [Alzheimer disease](#)
- [Aortic Aneurysm](#)
- [Arthritis](#)
- [Atherosclerosis](#)
- [Atrial Fibrillation](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Carotid Stenosis](#)
- [Cerebral Hemorrhage](#)
- [Chorioamnionitis](#)
- [Chronic Disease](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colitis](#)
- [Constriction](#)

- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Crohn Disease](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Angiopathies](#)
- [Disease Progression](#)
- [Duodenal Ulcer](#)
- [Edema](#)
- [Endometrial Neoplasms](#)
- [Endometriosis](#)
- [Fetal Membranes](#)
- [Fractures](#)
- [Genetic Predisposition to Disease](#)
- [Graft Occlusion](#)
- [Head and Neck Neoplasms](#)
- [Helicobacter Infections](#)
- [Hepatitis C](#)
- [Hypertension](#)
- [Hypertrophy](#)
- [Inflammation](#)
- [Intracranial Aneurysm](#)
- [Liver Cirrhosis](#)
- [Long QT syndrome](#)
- [Metabolic Syndrome X](#)
- [Metaplasia](#)

- [Mouth Neoplasms](#)
- [Myocardial Infarction](#)
- [Neoplasm](#)
- [Neoplasms](#)
- [Obstetric Labor](#)
- [Osteoarthritis](#)
- [Osteoporosis](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Periodontitis](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)
- [Pulmonary Disease](#)
- [Recurrence](#)
- [Stomach Neoplasms](#)
- [Thrombosis](#)
- [Uterine Diseases](#)