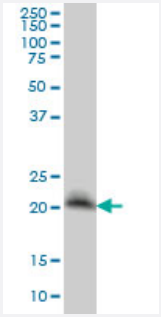
TIMP2 monoclonal antibody (M02), clone 4F5

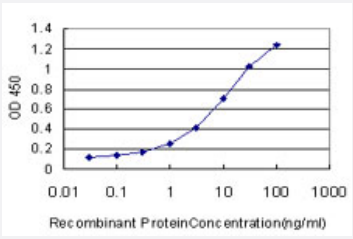
Catalog # H00007077-M02 Size 100 ug

Applications



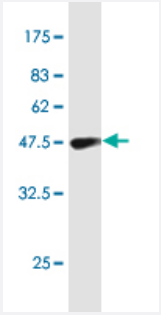
Western Blot (Cell lysate)

TIMP2 monoclonal antibody (M02), clone 4F5 Western Blot analysis of TIMP2 expression in A-431 (Cat # L015V1).



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged TIMP2 is approximately 0.3ng/ml as a capture antibody.



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	CSCSPVHPQQAFCNADVVIRAKAVSEKEVDSGNDIYGNPIKRIQYEIKQIKMFKGPEKDIEFIYTAPS SAVCGVSLDVGGKKEYLIAGKAEGDGKMHITLCDFIVPWDTLSTTQKKSLNHRYQMGCECKITRC PMIPCYISSPDECLWMDWVTEKNINGHQAKFFACIKRSDGSCAWYRGAAPPKQEFLDIEDP
Host	Mouse
Reactivity	Human
Isotype	IgG2a 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)

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  Protocol Download

- Western Blot (Recombinant protein)

  Protocol Download

- Sandwich ELISA (Recombinant protein)

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  Protocol Download

- ELISA

Gene Info — TIMP2

Entrez GeneID	7077
GeneBank Accession#	BC052605

Protein Accession#	AAH52605
Gene Name	TIMP2
Gene Alias	CSC-21K
Gene Description	TIMP metallopeptidase 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 nat ural inhibitors of the matrix metalloproteinases, a group of peptidases involved in degradation of t he extracellular matrix. In addition to an inhibitory role against metalloproteinases, the encoded pr otein has a unique role among TIMP family members in its ability to directly suppress the proliferat ion of endothelial cells. As a result, the encoded protein may be critical to the maintenance of tiss ue homeostasis by suppressing the proliferation of quiescent tissues in response to angiogenic f actors, and by inhibiting protease activity in tissues undergoing remodelling of the extracellular ma trix. [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