

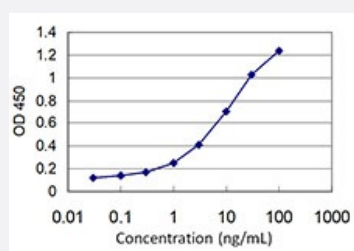
CX Grade

TIMP2 monoclonal antibody (M02J), clone 4F5

Catalog # H00007077-M02J

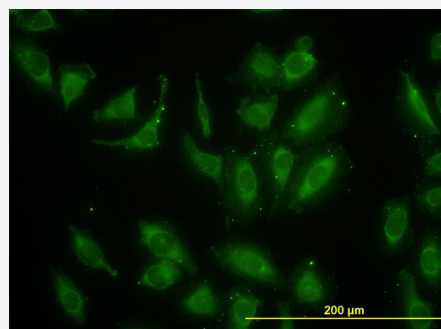
Size 100 ug

Applications



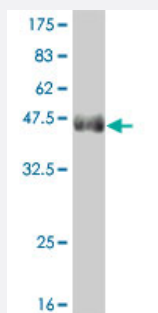
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged TIMP2 is approximately 0.3ng/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. This product is belong to Cell Culture Grade Antibody (CX Grade).

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	CSCSPVHPQQAFCNADVIRAKAVSEKEVDSGNDIYGNIPIKRIQYEIKQIKMFKGPEKDIEFIYTAPS SAVCGVSLDVGGKKEYLIAGKAEGDGKMHITLCDFIWPWDTLSTTQKKSLNHRYPQMGCECKITRC PMPCYISSPDECLWMDWVTEKNINGHQAKFFACIKRSDGSCAWYRGAAPPKQEFLDIEDP
Host	Mouse
Reactivity	Human
Preparation Method	Cell Culture Production
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 (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

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

[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](#)
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- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Angiopathies](#)
- [Disease Progression](#)
- [Duodenal Ulcer](#)
- [Edema](#)
- [Endometrial Neoplasms](#)
- [Endometriosis](#)
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- [Helicobacter Infections](#)
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- [Long QT syndrome](#)
- [Metabolic Syndrome X](#)
- [Metaplasia](#)
- [Mouth Neoplasms](#)
- [Myocardial Infarction](#)
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- [Osteoarthritis](#)
- [Osteoporosis](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Periodontitis](#)
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- [Premature Birth](#)
- [Pulmonary Disease](#)
- [Recurrence](#)
- [Stomach Neoplasms](#)
- [Thrombosis](#)
- [Uterine Diseases](#)