

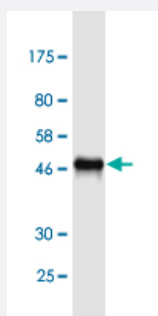
CX Grade

TIMP2 monoclonal antibody (M04C), clone 5B11

Catalog # H00007077-M04C

Size 200 uL

Applications



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

CSCSPVHPQQAFCNADVIRAKAVSEKEVDSGNDIYGNPRIQYEIKQIKMFKGPEKDIEFYTAPS
SAVCGVSLDVGGKKEYLIAGKAEAGDGKMHITLCDFIWPDITLSTTQKKSLNHRYSQMGCECKITRC
PMIPCYISSPDECLWMDWVTEKNINGHQAKFFACIKRSDGSCAWYRGAAPPKQEFLDIEDP

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 condensed culture supernatant

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[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 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](#)