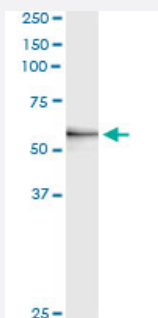


MMP3 monoclonal antibody (M02), clone 4C11

Catalog # H00004314-M02

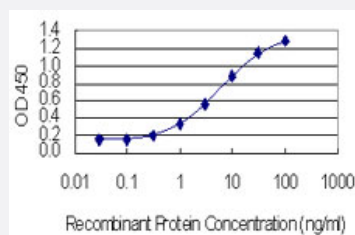
Size 100 ug

Applications



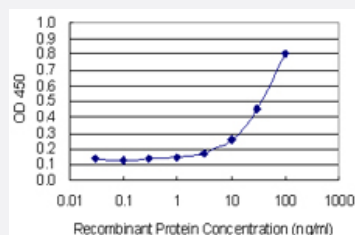
Immunoprecipitation

Immunoprecipitation of MMP3 transfected lysate using anti-MMP3 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with MMP3 MaxPab rabbit polyclonal antibody.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MMP3 is 0.1 ng/ml as a capture antibody.

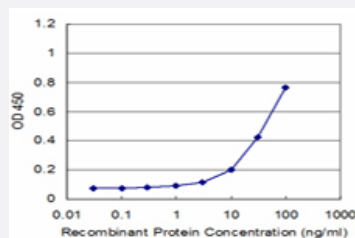


Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MMP3 is 1 ng/ml as a capture antibody.

Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MMP3 is approximately 3ng/ml as a capture antibody.



Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant MMP3.
Immunogen	MMP3 (NP_002413, 22 a.a. ~ 131 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	GAARGEDTSMNLVQKYLENYDLKKDVKQFVRRKDSGPVVKKIREMQKFLGLEVTGKLDSDTLE VMRKPRCGVPDVGHFRTFPGIPKWRKTHLTYRMNYTPDLPKDAVD
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (73); Rat (73)
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

● Immunoprecipitation

Immunoprecipitation of MMP3 transfected lysate using anti-MMP3 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with MMP3 MaxPab rabbit polyclonal antibody.

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MMP3 is 0.1 ng/ml as a capture antibody.

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MMP3 is 1 ng/ml as a capture antibody.

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MMP3 is approximately 3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — MMP3

Entrez GeneID [4314](#)

GeneBank Accession# [NM_002422](#)

Protein Accession# [NP_002413](#)

Gene Name MMP3

Gene Alias CHDS6, MGC126102, MGC126103, MGC126104, MMP-3, SL-1, STMY, STMY1, STR1

Gene Description matrix metalloproteinase 3 (stromelysin 1, progelatinase)

Omim ID [185250](#)

Gene Ontology [Hyperlink](#)

Gene Summary Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. This gene encodes an enzyme which degrades fibronectin, laminin, collagens III, IV, IX, and X, and cartilage proteoglycans. The enzyme is thought to be involved in wound repair, progression of atherosclerosis, and tumor initiation. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. [provided by RefSeq]

Other Designations matrix metalloproteinase 3|matrix metalloproteinase 3 (stromelysin 1, progelatinase)|progelatinase|proteoglycanase|stromelysin 1|transin-1

Disease

- [Acute Disease](#)
- [Adenocarcinoma](#)
- [Adenomatous Polyps](#)
- [Aggressive Periodontitis](#)
- [alpha 1-Antitrypsin Deficiency](#)
- [Alpha-1-antitrypsin deficiency](#)
- [Alveolar Bone Loss](#)
- [Alzheimer disease](#)
- [Amyotrophic lateral sclerosis](#)
- [Aneurysm](#)
- [Angina](#)
- [Angina Pectoris](#)
- [Aortic Aneurysm](#)
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- [Arterial Occlusive Diseases](#)
- [Arthritis](#)
- [Astrocytoma](#)
- [Atherosclerosis](#)
- [Bipolar Disorder](#)
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- [Brain Ischemia](#)
- [Brain Neoplasms](#)
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- [Breast Neoplasms](#)

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- [Carcinoma](#)
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- [Cardiovascular Diseases](#)
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- [Carotid Artery Diseases](#)
- [Carotid Stenosis](#)
- [Celiac Disease](#)
- [Cerebral Arterial Diseases](#)
- [Cerebral Infarction](#)
- [Cerebral Palsy](#)
- [Cerebrovascular Accident](#)
- [Cholangitis](#)
- [Chorioamnionitis](#)
- [Chronic Disease](#)
- [Chronic Periodontitis](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colitis](#)
- [Colorectal Neoplasms](#)
- [Connective Tissue Diseases](#)
- [Constriction](#)
- [Coronary Aneurysm](#)
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- [Coronary Disease](#)
- [Coronary Restenosis](#)

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- [Diabetes Mellitus](#)
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- [Disease Susceptibility](#)
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- [Exfoliation Syndrome](#)
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- [Fetal Membranes](#)
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- [Hepatitis C](#)
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- [Stroke](#)
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- [Tendinopathy](#)
- [Thrombosis](#)
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- [Urinary Incontinence](#)
- [Varicose Veins](#)
- [Vascular Diseases](#)
- [Ventricular Dysfunction](#)
- [Werner syndrome](#)