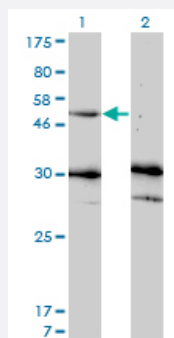


MMP13 monoclonal antibody (M07), clone 3B11

Catalog # H00004322-M07

Size 100 ug

Applications

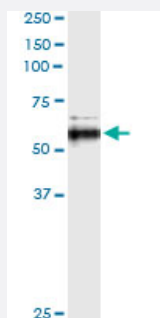


Western Blot (Transfected lysate)

Western Blot analysis of MMP13 expression in transfected 293T cell line by MMP13 monoclonal antibody (M07), clone 3B11.

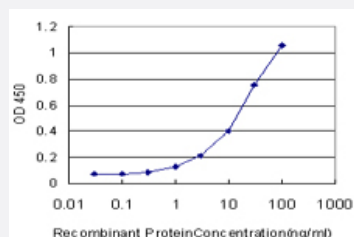
Lane 1: MMP13 transfected lysate(53.8 KDa).

Lane 2: Non-transfected lysate.



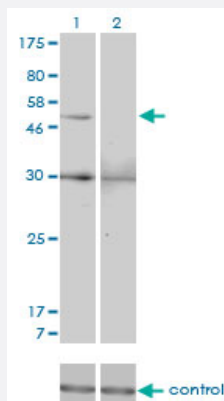
Immunoprecipitation

Immunoprecipitation of MMP13 transfected lysate using anti-MMP13 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with MMP13 MaxPab rabbit polyclonal antibody.



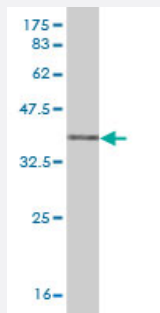
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MMP13 is approximately 1ng/ml as a capture antibody.



RNAi Knockdown (Antibody validated)

Western blot analysis of MMP13 over-expressed 293 cell line, cotransfected with MMP13 Validated Chimera RNAi (Cat # H00004322-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with MMP13 monoclonal antibody (M07), clone 3B11 (Cat # H00004322-M07). GAPDH (36.1 kDa) used as specificity and loading control.



Western Blot detection against Immunogen (37.84 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant MMP13.
Immunogen	MMP13 (NP_002418, 362 a.a. ~ 471 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	ILEGYPKKISELGLPKEVKKISA AVHFEDTGKTLFSGNQVWRYDDTNHIMDKDYPRLIEEDFPGIGDKVDAVYEKNGYTYFFNGPIQFEYSWSNRIVRVMPANSILWC
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (85); Rat (86)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.84 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 (Transfected lysate)

Western Blot analysis of MMP13 expression in transfected 293T cell line by MMP13 monoclonal antibody (M07), clone 3B11.

Lane 1: MMP13 transfected lysate(53.8 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunoprecipitation

Immunoprecipitation of MMP13 transfected lysate using anti-MMP13 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with MMP13 MaxPab rabbit polyclonal antibody.

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MMP13 is approximately 1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- RNAi Knockdown (Antibody validated)

Western blot analysis of MMP13 over-expressed 293 cell line, cotransfected with MMP13 Validated Chimera RNAi (Cat # H00004322-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with MMP13 monoclonal antibody (M07), clone 3B11 (Cat # H00004322-M07). GAPDH (36.1 kDa) used as specificity and loading control.

[Protocol Download](#)

Gene Info — MMP13

Entrez GeneID	4322
GeneBank Accession#	NM_002427
Protein Accession#	NP_002418
Gene Name	MMP13

Gene Alias	CLG3
Gene Description	matrix metalloproteinase 13 (collagenase 3)
Omim ID	600108 602111
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. The protein encoded by this gene cleaves type II collagen more efficiently than types I and III. It may be involved in articular cartilage turnover and cartilage pathophysiology associated with osteoarthritis. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. [provided by RefSeq]
Other Designations	collagenase 3 matrix metalloproteinase 13 matrix metalloproteinase 13 (collagenase 3)

Disease

- [Adenocarcinoma](#)
- [Alveolar Bone Loss](#)
- [Aortic Aneurysm](#)
- [Arteriosclerosis](#)
- [Arthritis](#)
- [Atherosclerosis](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Chorioamnionitis](#)
- [Chronic Periodontitis](#)
- [Cleft Lip](#)
- [Cleft Palate](#)

- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Endometriosis](#)
- [Esophageal Neoplasms](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Gingival Hemorrhage](#)
- [Heart Neoplasms](#)
- [Hepatitis C](#)
- [Intervertebral Disk Displacement](#)
- [Liver Cirrhosis](#)
- [Lung Neoplasms](#)
- [Mouth Neoplasms](#)
- [Mucocutaneous Lymph Node Syndrome](#)
- [Nasopharyngeal Neoplasms](#)
- [Neoplasms](#)
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