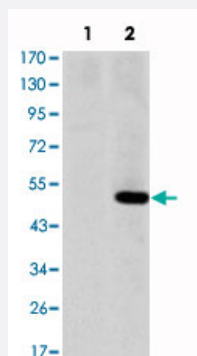


MMP1 monoclonal antibody, clone 6A5

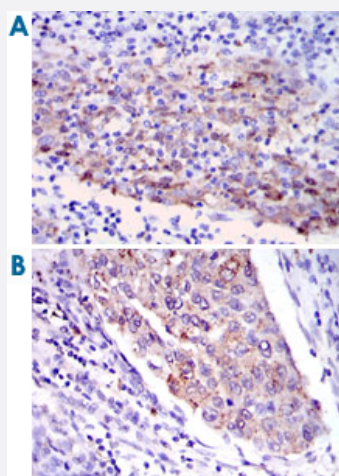
Catalog # MAB10808 Size 100 uL

Applications



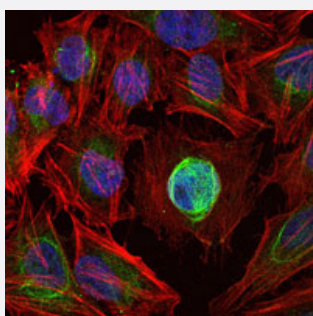
Western Blot (Transfected lysate)

Western blot analysis using MMP1 monoclonal antibody, clone 6A5 (Cat # MAB10808) against HEK293 (1) and MMP1-hlgGfc transfected HEK293 (2) cell lysate.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human cervical cancer tissues (A) and human kidney cancer tissues (B) using MMP1 monoclonal antibody, clone 6A5 (Cat # MAB10808) with DAB staining.

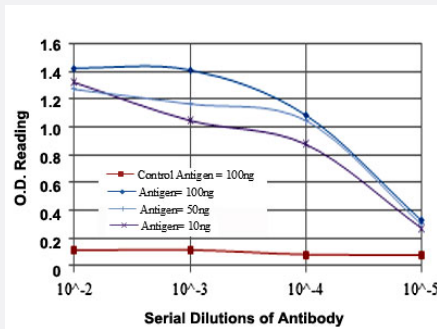


Immunofluorescence

Immunofluorescence analysis of HeLa cells using MMP1 monoclonal antibody, clone 6A5 (Cat # MAB10808) (green). Blue: DAPI fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin. MMP1 monoclonal antibody, clone 6A5 (Cat # MAB10808) (green). Blue: DAPI fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

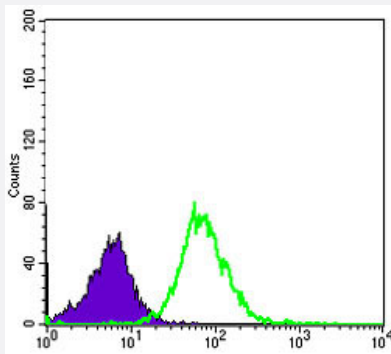
Enzyme-linked Immunoabsorbent Assay

ELISA measurement of MMP1 monoclonal antibody, clone 6A5 (Cat # MAB10808).



Flow Cytometry

Flow cytometric analysis of HeLa cells using MMP1 monoclonal antibody, clone 6A5 (Cat # MAB10808) (green) and negative control (purple).



Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant MMP1.
Immunogen	Recombinant protein corresponding to human MMP1.
Host	Mouse
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry (1:200-1:1000) Immunofluorescence (1:200-1:1000) Flow cytometry (1:200-1:400) The optimal working dilution should be determined by the end user.
Storage Buffer	In ascites (0.03% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

Western blot analysis using MMP1 monoclonal antibody, clone 6A5 (Cat # MAB10808) against HEK293 (1) and MMP1-hlgGfc transfected HEK293 (2) cell lysate.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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- Immunofluorescence

Immunofluorescence analysis of HeLa cells using MMP1 monoclonal antibody, clone 6A5 (Cat # MAB10808) (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin. MMP1 monoclonal antibody, clone 6A5 (Cat # MAB10808) (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

- Enzyme-linked Immunoabsorbent Assay

ELISA measurement of MMP1 monoclonal antibody, clone 6A5 (Cat # MAB10808).

- Flow Cytometry

Flow cytometric analysis of HeLa cells using MMP1 monoclonal antibody, clone 6A5 (Cat # MAB10808) (green) and negative control (purple).

Gene Info — MMP1

Entrez GeneID	4312
Gene Name	MMP1
Gene Alias	CLG, CLGN
Gene Description	matrix metalloproteinase 1 (interstitial collagenase)
Omim ID	120353 606963
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 a secreted enzyme which breaks down the interstitial collagens, types I, II, and III. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. Alternative splicing results in multiple transcript variants.[provided by RefSeq]

Other Designations

fibroblast collagenase|interstitial collagenase|matrix metalloprotease 1|matrix metalloproteinase 1|matrix metalloproteinase 1 (interstitial collagenase)

Pathway

- [Bladder cancer](#)
- [Pathways in cancer](#)
- [PPAR signaling pathway](#)

Disease

- [Adenocarcinoma](#)
- [Adenomatous Polyps](#)
- [Aggressive Periodontitis](#)
- [Airway Obstruction](#)
- [alpha 1-Antitrypsin Deficiency](#)
- [Alpha-1-antitrypsin deficiency](#)
- [Alveolar Bone Loss](#)
- [Alzheimer disease](#)
- [Amyotrophic lateral sclerosis](#)
- [Anoxia](#)
- [Aortic Aneurysm](#)
- [Arthritis](#)
- [Asthma](#)

- [Astrocytoma](#)
- [Atherosclerosis](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchiectasis](#)
- [Bronchitis](#)
- [Carcinoma](#)
- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery](#)
- [Carotid Artery Diseases](#)
- [Carotid Stenosis](#)
- [Celiac Disease](#)
- [Cervical Intraepithelial Neoplasia](#)
- [Cholangitis](#)
- [Chorioamnionitis](#)
- [Chronic Disease](#)
- [Chronic Periodontitis](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colitis](#)
- [Colorectal Neoplasms](#)
- [Connective Tissue Diseases](#)
- [Constriction](#)
- [Coronary Artery Disease](#)

- [Coronary Disease](#)
- [Crohn Disease](#)
- [Cystic fibrosis](#)
- [Dementia](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Angiopathies](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Ductus Arteriosus](#)
- [Edema](#)
- [Emphysema](#)
- [Endometrial Neoplasms](#)
- [Endometriosis](#)
- [Epidermolysis Bullosa](#)
- [Esophageal Neoplasms](#)
- [Exfoliation Syndrome](#)
- [Eye Diseases](#)
- [Fetal Diseases](#)
- [Fetal Membranes](#)
- [Fibrosis](#)
- [Genetic Predisposition to Disease](#)
- [Gingival Overgrowth](#)
- [Glaucoma](#)
- [Glioblastoma](#)
- [Graft Occlusion](#)

- [Head and Neck Neoplasms](#)
- [Hearing Loss](#)
- [Helicobacter Infections](#)
- [Hepatitis C](#)
- [Hypertension](#)
- [Hypertrophy](#)
- [Idiopathic Pulmonary Fibrosis](#)
- [Infant](#)
- [Infection](#)
- [Inflammation](#)
- [Kidney Diseases](#)
- [Kidney Failure](#)
- [Kidney Neoplasms](#)
- [Leiomyoma](#)
- [Lichen Planus](#)
- [Liver Cirrhosis](#)
- [Liver Neoplasms](#)
- [Lung carcinoma](#)
- [Lung Neoplasms](#)
- [Lymphatic Metastasis](#)
- [Lymphoma](#)
- [Metabolic Syndrome X](#)
- [Mitral Valve Insufficiency](#)
- [Mitral Valve Prolapse](#)
- [Mouth Neoplasms](#)
- [Multiple Sclerosis](#)

- [Musculoskeletal Diseases](#)
- [Myocardial Infarction](#)
- [Myopia](#)
- [Nasopharyngeal Neoplasms](#)
- [Neoplasm Invasiveness](#)
- [Neoplasm Metastasis](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Obesity](#)
- [Obstetric Labor](#)
- [Oral Submucous Fibrosis](#)
- [Osteoarthritis](#)
- [Osteolysis](#)
- [Osteomyelitis](#)
- [Osteoporosis](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Papillomavirus Infections](#)
- [Parkinson disease](#)
- [Periodontal Attachment Loss](#)
- [Periodontal Pocket](#)
- [Periodontitis](#)
- [Peripheral Vascular Diseases](#)
- [Pneumonia](#)
- [Polycystic Ovary Syndrome](#)
- [Pre-Eclampsia](#)

- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Prosthesis Failure](#)
- [Prosthesis-Related Infections](#)
- [Pruritus](#)
- [Pulmonary Disease](#)
- [Pulmonary Emphysema](#)
- [Renal Insufficiency](#)
- [Rheumatoid Nodule](#)
- [Rhinitis](#)
- [Sarcoidosis](#)
- [Scleroderma](#)
- [Skin Diseases](#)
- [Spinal Diseases](#)
- [Stomach Neoplasms](#)
- [Stomach Ulcer](#)
- [Subarachnoid Hemorrhage](#)
- [Thrombosis](#)
- [Tongue Neoplasms](#)
- [Tooth Loss](#)
- [Tuberculosis](#)
- [Urinary Bladder Neoplasms](#)
- [Urinary Incontinence](#)
- [Uterine Cervical Neoplasms](#)

- [Uterine Neoplasms](#)
- [Varicose Veins](#)
- [Werner syndrome](#)