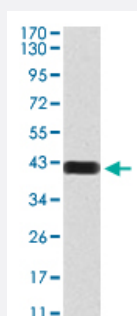


MMP14 monoclonal antibody, clone 6A11D1

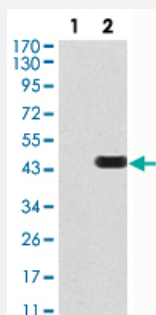
Catalog # MAB17285 Size 100 ug

Applications



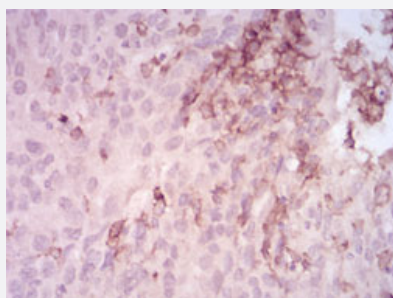
Western Blot

Western Blot analysis of human MMP14 recombinant protein.



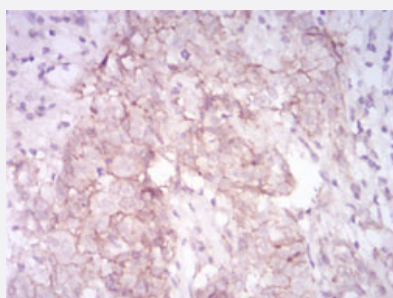
Western Blot

Western Blot analysis of (1) HEK293 cells, (2) MMP14-hlgFc transfected HEK293 cell lysate.



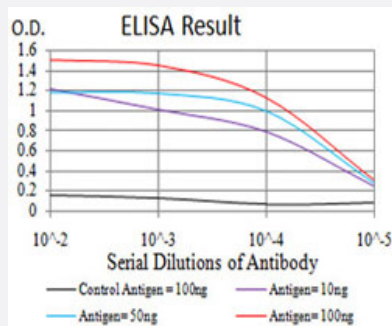
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of ovarian cancer tissues with DAB staining.



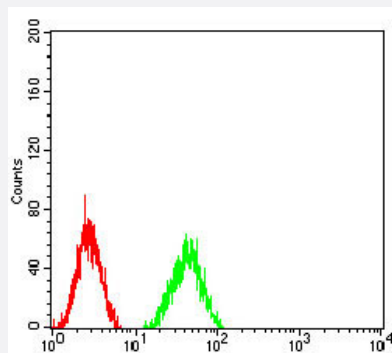
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of bladder cancer tissues with DAB staining.



Enzyme-linked Immunoabsorbent Assay

ELISA analysis of MMP14 monoclonal antibody.



Flow Cytometry

Flow cytometric analysis of HT1080 cells using MMP14 mouse monoclonal antibody (green) and negative control (red).

Specification

Product Description	Mouse monoclonal antibody raised against recombinant human MMP14.
Immunogen	Recombinant protein corresponding to amino acids 112-246 of human MMP14 from <i>E. coli</i> .
Host	Mouse
Theoretical MW (kDa)	65.9
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Flow Cytometry (1:200-400) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:200-1000) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% 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

Western Blot analysis of human MMP14 recombinant protein.

- Western Blot

Western Blot analysis of (1) HEK293 cells, (2) MMP14-hlgGFc transfected HEK293 cell lysate.

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

Immunohistochemical staining of ovarian cancer tissues with DAB staining.

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

Immunohistochemical staining of bladder cancer tissues with DAB staining.

- Enzyme-linked Immunoabsorbent Assay

ELISA analysis of MMP14 monoclonal antibody.

- Flow Cytometry

Flow cytometric analysis of HT1080 cells using MMP14 mouse monoclonal antibody (green) and negative control (red).

Gene Info — MMP14

Entrez GeneID[4323](#)**Gene Name**

MMP14

Gene Alias

MMP-X1, MT1-MMP, MTMMP1

Gene Description

matrix metalloproteinase 14 (membrane-inserted)

Omim ID[600754](#)**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. However, the protein encoded by this gene is a member of the membrane-type MMP (MT-MMP) subfamily; each member of this subfamily contains a potential transmembrane domain suggesting that these proteins are expressed at the cell surface rather than secreted. This protein activates MMP2 protein, and this activity may be involved in tumor invasion. [provided by RefSeq]

Other Designations

matrix metalloproteinase 14|matrix metalloproteinase 14 (membrane-inserted)|membrane type 1 metalloprotease|membrane-type matrix metalloproteinase 1|membrane-type-1 matrix metalloproteinase

Pathway

- [GnRH signaling pathway](#)

Disease

- [Adenocarcinoma](#)
- [Bronchopulmonary Dysplasia](#)
- [Cardiovascular Diseases](#)
- [Chorioamnionitis](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Glomerulosclerosis](#)
- [Hepatitis C](#)

- [Liver Cirrhosis](#)
- [Nephrosis](#)
- [Obstetric Labor](#)
- [Ovarian Neoplasms](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)
- [Pulmonary Disease](#)
- [Scleroderma](#)