10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

MMP28 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant MMP28.
Catalog # AT2882a

Specification

MMP28 Antibody (monoclonal) (M01) - Product Information

Application	**WB, E**
Primary Accession	Q9H239
Other Accession	NM_024302
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**58939**

MMP28 Antibody (monoclonal) (M01) - Additional Information

Gene ID 79148

Other Names
Matrix metalloproteinase-28, MMP-28, 3424-, Epilysin, MMP28, MMP25

Target/Specificity
MMP28 (NP_077278, 441 a.a. ~ 520 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

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

Precautions
MMP28 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

MMP28 Antibody (monoclonal) (M01) - Protocols

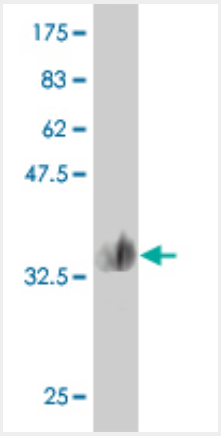
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry

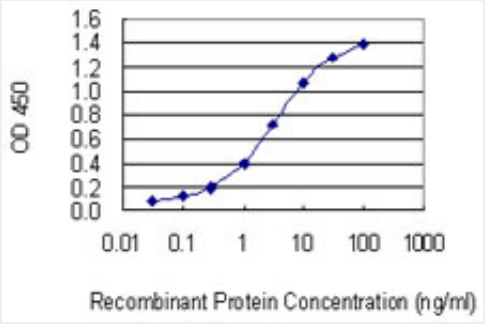
10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

MMP28 Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (34.54 KDa) .



Detection limit for recombinant GST tagged MMP28 is 0.03 ng/ml as a capture antibody.

MMP28 Antibody (monoclonal) (M01) - Background

Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix for both normal physiological processes, such as embryonic development, reproduction and tissue remodeling, and disease processes, such as asthma and metastasis. This gene encodes a secreted enzyme that degrades casein. Its expression pattern suggests that it plays a role in tissue homeostasis and in wound repair. Transcript variants encoding different isoforms have been described.

MMP28 Antibody (monoclonal) (M01) - References

MMP28 gene expression is regulated by Sp1 transcription factor acetylation. Swingler TE, et al. Biochem J, 2010 Apr 14. PMID 20144149.Matrix metalloproteinase 28, a novel matrix metalloproteinase, is constitutively expressed in human intervertebral disc tissue and is present in matrix of more degenerated discs. Gruber HE, et al. Arthritis Res Ther, 2009. PMID 20003223.Expression of MMP-10, MMP-21, MMP-26, and MMP-28 in Merkel cell carcinoma. Suomela S, et al. Virchows Arch, 2009 Dec. PMID 19921252.Epilysin (MMP-28) is deposited to the basolateral extracellular matrix of epithelial cells. Heiskanen TJ, et al. Matrix Biol, 2009 Mar. PMID 19379669.Expression and function of matrix metalloproteinase (MMP)-28. Rodgers UR, et al. Matrix Biol, 2009 Jun. PMID 19375502.