



## MMP-10 Monoclonal Antibody

Catalog No         BYmab-02677           Isotype         IgG           Reactivity         Human;Mouse;Rat           Applications         WB           Gene Name         MMP10           Protein Name         Stromelysin-2           Immunogen         The antiserum was produced against synthesized peptide derived from human MMP-10. AA range:361-410           Specificity         MMP-10 Monoclonal Antibody detects endogenous levels of MMP-10 protein.           Formulation         Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.           Source         Monoclonal, Mouse,IgG           Purification         The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.           Dilution         WB 1:500-2000           Concentration         1 mg/ml           Purity         ≥90%           Storage Stability         -20°C/1 year           Synonyms         MMP10; STMY2; Stromelysin-2; SL-2; Matrix metalloproteinase-10; MMP-10; Transin-2           Observed Band         54kD           Cell Pathway         Secreted, extracellular space, extracellular matrix.           Tissue Specificity         Coronary artery,Ovary,           Function         catalytic activity. Similar to stromelysin 1, but action on collagen types III, IV and Visweaky collagens III, IV and Visweaky		
Reactivity Human;Mouse;Rat  Applications WB  Gene Name MMP10  Protein Name Stromelysin-2  Immunogen The antiserum was produced against synthesized peptide derived from human MMP-10. AA range:361-410  Specificity MMP-10 Monoclonal Antibody detects endogenous levels of MMP-10 protein.  Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  Source Monoclonal, Mouse, IgG  Purification The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.  Dilution WB 1:500-2000  Concentration 1 mg/ml  Purity ≥90%  Storage Stability -20°C/1 year  Synonyms MMP10; STMY2; Stromelysin-2; SL-2; Matrix metalloproteinase-10; MMP-10; Transin-2  Observed Band 54kD  Cell Pathway Secreted, extracellular space, extracellular matrix.  Tissue Specificity Coronary artery, Ovary,  Function catalytic activity: Similar to stromelysin 1, but action on collagen types III, IV and V is weak, cofactor: Binds 2 zinc ions per subunit, cofactor Calcium, domain: The conserved cysteine present in the cysteine-switch motify binds the catalytic zinc ion, thus inhibiting the enzyme. The dissociation of the cysteine from the zinc ion upon the activation-peptide release activates the enzyme, function: Can degrade floronectin, gelatins of type I, III, IV, and V; weakly collagens III, IV, and V. Activates procollagenses, similarity. Belongs to the peptidase M10A	Catalog No	BYmab-02677
Applications WB  Gene Name MMP10  Protein Name Stromelysin-2  Immunogen The antiserum was produced against synthesized peptide derived from human MMP-10. AA range:361-410  Specificity MMP-10 Monoclonal Antibody detects endogenous levels of MMP-10 protein.  Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  Source Monoclonal, Mouse, IgG  Purification The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.  Dilution WB 1:500-2000  Concentration 1 mg/ml  Purity ≥90%  Storage Stability -20°C/1 year  Synonyms MMP10; STMY2; Stromelysin-2; SL-2; Matrix metalloproteinase-10; MMP-10; Transin-2  Observed Band 54kD  Cell Pathway Secreted, extracellular space, extracellular matrix.  Tissue Specificity Coronary artery, Ovary,  Function catalytic activity. Similar to stromelysin 1, but action on collagen types III, IV and Vis weak, cofactor: Binds 2 zinc ions per subunit, cofactor: Calcium, domain: The conserved cysteine present in the cysteine-switch motif binds the catalytic zinc ion, thus inhibiting the enzyme. The dissociation of the cysteine from the zinc ion upon the activation-peptide release activates the enzyme, function: Can degrade fibronectin, gelatins of type I, III, IV, and V; weakly collagens III, IV, and V. Activates procollagenses, similarity: Belongs to the peptidase M10A	Isotype	IgG
Gene Name MMP10  Protein Name Stromelysin-2  Immunogen The antiserum was produced against synthesized peptide derived from human MMP-10. AA range:361-410  Specificity MMP-10 Monoclonal Antibody detects endogenous levels of MMP-10 protein.  Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  Source Monoclonal, Mouse, IgG  Purification The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.  Dilution WB 1:500-2000  Concentration 1 mg/ml  Purity 290%  Storage Stability -20°C/1 year  Synonyms MMP10; STMY2; Stromelysin-2; SL-2; Matrix metalloproteinase-10; MMP-10; Transin-2  Observed Band 54kD  Cell Pathway Secreted, extracellular space, extracellular matrix.  Tissue Specificity Coronary artery,Ovary,  Function catalytic activity:Similar to stromelysin 1, but action on collagen types III, IV and V is weak, cofactor:Binds 2 zinc ions per subunit, cofactor:Calcium, domain:The conserved cysteine present in the cysteine-switch motif binds the catalytic zinc ion, thus inhibiting the enzyme. The dissociation of the cysteine from the zinc ion upon the activation-peptide release activates the enzyme, function:Can degrade fibronectin, gelatins of type I, III, IV, and V; weakly collagens III, IV, and V. Activates procollagenses, similarity: Belongs to the peptidase M10A	Reactivity	Human;Mouse;Rat
Protein Name         Stromelysin-2           Immunogen         The antiserum was produced against synthesized peptide derived from human MMP-10. AA range:361-410           Specificity         MMP-10 Monoclonal Antibody detects endogenous levels of MMP-10 protein.           Formulation         Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.           Source         Monoclonal, Mouse, IgG           Purification         The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.           Dilution         WB 1:500-2000           Concentration         1 mg/ml           Purity         ≥90%           Storage Stability         -20°C/1 year           Synonyms         MMP10; STMY2; Stromelysin-2; SL-2; Matrix metalloproteinase-10; MMP-10; Transin-2           Observed Band         54kD           Cell Pathway         Secreted, extracellular space, extracellular matrix.           Tissue Specificity         Coronary artery, Ovary,           Function         catalytic activity: Similar to stromelysin 1, but action on collagen types Ill, IV and is weak, cofactor: Binds 2 zinc ions per subunit, cofactor: Calcium, domain: The conserved cysteine present in the cysteine-switch motif binds the catalytic zinc ion, thus inhibiting the enzyme. The dissociation of the cysteine from the zinc ion upon the activation-peptide release activates the enzyme, function: Can degrade fibronectin, gelatins of type I, Ill, IV, and V; weakly collagens Illl	Applications	WB
Immunogen       The antiserum was produced against synthesized peptide derived from human MMP-10. AA range:361-410         Specificity       MMP-10 Monoclonal Antibody detects endogenous levels of MMP-10 protein.         Formulation       Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.         Source       Monoclonal, Mouse, IgG         Purification       The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.         Dilution       WB 1:500-2000         Concentration       1 mg/ml         Purity       ≥90%         Storage Stability       -20°C/1 year         Synonyms       MMP10; STMY2; Stromelysin-2; SL-2; Matrix metalloproteinase-10; MMP-10; Transin-2         Observed Band       54kD         Cell Pathway       Secreted, extracellular space, extracellular matrix.         Tissue Specificity       Coronary artery,Ovary,         Function       catalytic activity: Similar to stromelysin 1, but action on collagen types III, IV and is weak, cofactor: Binds 2 zinc ions per subunit, cofactor: Calcium, domain: The conserved cysteine present in the cysteine-switch motif binds the catalytic zinc ion, thus inhibiting the enzyme. The dissociation of the cysteine from the zinc ion in the activation-peptide release activates the enzyme, function: Can degrade fibronectin, gelatins of type I, III, IV, and V; weakly collagens III, IV, and V. Activates procollegenase, smillarity: Belongs to the peptidase M10A	Gene Name	MMP10
MMP-10. AA range:361-410  Specificity MMP-10 Monoclonal Antibody detects endogenous levels of MMP-10 protein.  Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  Source Monoclonal, Mouse, IgG  Purification The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.  Dilution WB 1:500-2000  Concentration 1 mg/ml  Purity ≥90%  Storage Stability -20°C/1 year  Synonyms MMP10; STMY2; Stromelysin-2; SL-2; Matrix metalloproteinase-10; MMP-10; Transin-2  Observed Band 54kD  Cell Pathway Secreted, extracellular space, extracellular matrix.  Tissue Specificity Coronary artery, Ovary,  Euclidean Secretary of the cysteine-switch motif binds the catalytic zinc ion, thus inhibiting the enzyme. The dissociation of the cysteine from the zinc ion upon the activation-peptide release activates the enzyme, function: Can degrade fibronectin, gelatins of type I, III, IV, and V; weakly collagens III, IV, and V. Activates procollagens asses, similarity. Belongs to the peptidase M10A	Protein Name	Stromelysin-2
Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  Source Monoclonal, Mouse, IgG  Purification The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.  Dilution WB 1:500-2000  Concentration 1 mg/ml  Purity ≥90%  Storage Stability -20°C/1 year  Synonyms MMP10; STMY2; Stromelysin-2; SL-2; Matrix metalloproteinase-10; MMP-10; Transin-2  Observed Band 54kD  Cell Pathway Secreted, extracellular space, extracellular matrix.  Tissue Specificity Coronary artery,Ovary,  Function catalytic activity: Similar to stromelysin 1, but action on collagen types III, IV and Vis weakly collagens III, IV, and Vis Matrix Metalloprotein. Can degrade fibronectin, gelatins of type 1, III, IV, and V; weakly collagens III, IV, and V. Activates procollagenses, similarity. Belongs to the peptidase M10A	Immunogen	
Source       Monoclonal, Mouse, IgG         Purification       The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.         Dilution       WB 1:500-2000         Concentration       1 mg/ml         Purity       ≥90%         Storage Stability       -20°C/1 year         Synonyms       MMP10; STMY2; Stromelysin-2; SL-2; Matrix metalloproteinase-10; MMP-10; Transin-2         Observed Band       54kD         Cell Pathway       Secreted, extracellular space, extracellular matrix .         Tissue Specificity       Coronary artery,Ovary,         Function       catalytic activity:Similar to stromelysin 1, but action on collagen types III, IV and \( \) is weak, cofactor:Binds 2 zinc ions per subunit, cofactor:Calcium, domain:The conserved cysteline present in the cysteine-switch notif binds the catalytic zinc ion, thus inhibiting the enzyme. The dissociation of the cysteine from the zinc ion upon the activation-peptide release activates the enzyme.function:Can degrade fibronectin, gelatins of type I, III, IV, and V; weakly collagens III, IV, and V. Activates procollagenase., similarity:Belongs to the peptidase M10A	Specificity	MMP-10 Monoclonal Antibody detects endogenous levels of MMP-10 protein.
Purification  The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.  Dilution  WB 1:500-2000  Concentration  1 mg/ml  Purity  ≥90%  Storage Stability  -20°C/1 year  Synonyms  MMP10; STMY2; Stromelysin-2; SL-2; Matrix metalloproteinase-10; MMP-10; Transin-2  Observed Band  54kD  Cell Pathway  Secreted, extracellular space, extracellular matrix.  Tissue Specificity  Coronary artery,Ovary,  Function  catalytic activity:Similar to stromelysin 1, but action on collagen types III, IV and V is weak.,cofactor:Binds 2 zinc ions per subunit.,cofactor:Calcium.,domain:The conserved cysteine present in the cysteine-switch motif binds the catalytic zinc ion, thus inhibiting the enzyme. The dissociation of the cysteine from the zinc ion upon the activation-peptide release activates the enzyme.,function:Can degrade fibronectin, gelatins of type I, III, IV, and V; weakly collagens III, IV, and V. Activates procollagenase.,similarity:Belongs to the peptidase M10A	Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
affinity-chromatography using epitope-specific immunogen.  Dilution WB 1:500-2000  Concentration 1 mg/ml  Purity ≥90%  Storage Stability -20°C/1 year  Synonyms MMP10; STMY2; Stromelysin-2; SL-2; Matrix metalloproteinase-10; MMP-10; Transin-2  Observed Band 54kD  Cell Pathway Secreted, extracellular space, extracellular matrix.  Tissue Specificity Coronary artery,Ovary,  Function catalytic activity:Similar to stromelysin 1, but action on collagen types III, IV and V is weak, cofactor:Binds 2 zinc ions per subunit, cofactor:Calcium,domain:The conserved cysteine present in the cysteine-switch motif binds the catalytic zinc ion, thus inhibiting the enzyme. The dissociation of the cysteine from the zinc ion upon the activation-peptide release activates the enzyme, function:Can degrade fibronectin, gelatins of type I, III, IV, and V; weakly collagens III, IV, and V. Activates procollagenase, similarity:Belongs to the peptidase M10A	Source	Monoclonal, Mouse,IgG
Concentration       1 mg/ml         Purity       ≥90%         Storage Stability       -20°C/1 year         Synonyms       MMP10; STMY2; Stromelysin-2; SL-2; Matrix metalloproteinase-10; MMP-10; Transin-2         Observed Band       54kD         Cell Pathway       Secreted, extracellular space, extracellular matrix .         Tissue Specificity       Coronary artery,Ovary,         Function       catalytic activity:Similar to stromelysin 1, but action on collagen types III, IV and vis weak.,cofactor:Binds 2 zinc ions per subunit.,cofactor:Calcium.,domain:The conserved cysteine present in the cysteine-switch motif binds the catalytic zinc ion, thus inhibiting the enzyme. The dissociation of the cysteine from the zinc ion upon the activation-peptide release activates the enzyme, function:Can degrade fibronectin, gelatins of type I, III, IV, and V; weakly collagens III, IV, and V. Activates procollagenase.,similarity:Belongs to the peptidase M10A	Purification	·
Purity ≥90%  Storage Stability -20°C/1 year  Synonyms MMP10; STMY2; Stromelysin-2; SL-2; Matrix metalloproteinase-10; MMP-10; Transin-2  Observed Band 54kD  Cell Pathway Secreted, extracellular space, extracellular matrix.  Tissue Specificity Coronary artery,Ovary,  Function catalytic activity: Similar to stromelysin 1, but action on collagen types III, IV and Vis weak, cofactor: Binds 2 zinc ions per subunit., cofactor: Calcium.,domain: The conserved cysteine present in the cysteine-switch motif binds the catalytic zinc ion, thus inhibiting the enzyme. The dissociation of the cysteine from the zinc ion upon the activation-peptide release activates the enzyme.,function: Can degrade fibronectin, gelatins of type I, III, IV, and V; weakly collagens III, IV, and V. Activates procollagenase.,similarity: Belongs to the peptidase M10A	Dilution	WB 1:500-2000
Storage Stability  -20°C/1 year  MMP10; STMY2; Stromelysin-2; SL-2; Matrix metalloproteinase-10; MMP-10; Transin-2  Observed Band  54kD  Cell Pathway  Secreted, extracellular space, extracellular matrix.  Tissue Specificity  Coronary artery, Ovary,  Function  catalytic activity: Similar to stromelysin 1, but action on collagen types III, IV and V is weak., cofactor: Binds 2 zinc ions per subunit., cofactor: Calcium., domain: The conserved cysteine present in the cysteine-switch motif binds the catalytic zinc ion, thus inhibiting the enzyme. The dissociation of the cysteine from the zinc ion upon the activation-peptide release activates the enzyme., function: Can degrade fibronectin, gelatins of type I, III, IV, and V; weakly collagens III, IV, and V. Activates procollagenase., similarity: Belongs to the peptidase M10A	Concentration	1 mg/ml
Synonyms  MMP10; STMY2; Stromelysin-2; SL-2; Matrix metalloproteinase-10; MMP-10; Transin-2  Observed Band  54kD  Secreted, extracellular space, extracellular matrix.  Tissue Specificity  Coronary artery,Ovary,  Function  catalytic activity:Similar to stromelysin 1, but action on collagen types III, IV and V is weak.,cofactor:Binds 2 zinc ions per subunit.,cofactor:Calcium.,domain:The conserved cysteine present in the cysteine-switch motif binds the catalytic zinc ion, thus inhibiting the enzyme. The dissociation of the cysteine from the zinc ion upon the activation-peptide release activates the enzyme.,function:Can degrade fibronectin, gelatins of type I, III, IV, and V; weakly collagens III, IV, and V. Activates procollagenase.,similarity:Belongs to the peptidase M10A	Purity	≥90%
Transin-2  Observed Band  54kD  Cell Pathway  Secreted, extracellular space, extracellular matrix.  Tissue Specificity  Coronary artery, Ovary,  Function  catalytic activity: Similar to stromelysin 1, but action on collagen types III, IV and Vis weak., cofactor: Binds 2 zinc ions per subunit., cofactor: Calcium., domain: The conserved cysteine present in the cysteine-switch motif binds the catalytic zinc ion, thus inhibiting the enzyme. The dissociation of the cysteine from the zinc ion upon the activation-peptide release activates the enzyme., function: Can degrade fibronectin, gelatins of type I, III, IV, and V; weakly collagens III, IV, and V. Activates procollagenase., similarity: Belongs to the peptidase M10A	Storage Stability	-20°C/1 year
Cell Pathway  Secreted, extracellular space, extracellular matrix.  Coronary artery, Ovary,  Catalytic activity: Similar to stromelysin 1, but action on collagen types III, IV and V is weak., cofactor: Binds 2 zinc ions per subunit., cofactor: Calcium., domain: The conserved cysteine present in the cysteine-switch motif binds the catalytic zinc ion, thus inhibiting the enzyme. The dissociation of the cysteine from the zinc ion upon the activation-peptide release activates the enzyme., function: Can degrade fibronectin, gelatins of type I, III, IV, and V; weakly collagens III, IV, and V. Activates procollagenase., similarity: Belongs to the peptidase M10A	Synonyms	
Tissue Specificity  Coronary artery,Ovary,  catalytic activity:Similar to stromelysin 1, but action on collagen types III, IV and V is weak.,cofactor:Binds 2 zinc ions per subunit.,cofactor:Calcium.,domain:The conserved cysteine present in the cysteine-switch motif binds the catalytic zinc ion, thus inhibiting the enzyme. The dissociation of the cysteine from the zinc ion upon the activation-peptide release activates the enzyme.,function:Can degrade fibronectin, gelatins of type I, III, IV, and V; weakly collagens III, IV, and V. Activates procollagenase.,similarity:Belongs to the peptidase M10A	Observed Band	54kD
Function  catalytic activity:Similar to stromelysin 1, but action on collagen types III, IV and V is weak.,cofactor:Binds 2 zinc ions per subunit.,cofactor:Calcium.,domain:The conserved cysteine present in the cysteine-switch motif binds the catalytic zinc ion, thus inhibiting the enzyme. The dissociation of the cysteine from the zinc ion upon the activation-peptide release activates the enzyme.,function:Can degrade fibronectin, gelatins of type I, III, IV, and V; weakly collagens III, IV, and V. Activates procollagenase.,similarity:Belongs to the peptidase M10A	Cell Pathway	Secreted, extracellular space, extracellular matrix .
is weak.,cofactor:Binds 2 zinc ions per subunit.,cofactor:Calcium.,domain:The conserved cysteine present in the cysteine-switch motif binds the catalytic zinc ion, thus inhibiting the enzyme. The dissociation of the cysteine from the zinc ion upon the activation-peptide release activates the enzyme.,function:Can degrade fibronectin, gelatins of type I, III, IV, and V; weakly collagens III, IV, and V. Activates procollagenase.,similarity:Belongs to the peptidase M10A	Tissue Specificity	Coronary artery,Ovary,
	Function	conserved cysteine present in the cysteine-switch motif binds the catalytic zinc ion, thus inhibiting the enzyme. The dissociation of the cysteine from the zinc ion upon the activation-peptide release activates the enzyme.,function:Can degrade fibronectin, gelatins of type I, III, IV, and V; weakly collagens III, IV, and V. Activates procollagenase.,similarity:Belongs to the peptidase M10A

Nanjing BYabscience technology Co.,Ltd



国内优质抗体供应商 精准的 WB 检测服务 24H 在线服务,欢迎咨询



Background	This gene encodes a member of the peptidase M10 family of matrix metalloproteinases (MMPs). Proteins in this 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. The encoded preproprotein is proteolytically processed to generate the mature protease. This secreted protease breaks down fibronectin, laminin, elastin, proteoglycan core protein, gelatins, and several types of collagen. The gene is part of a cluster of MMP genes on chromosome 11. [provided by RefSeq, Jan 2016],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## **Products Images**

Nanjing BYabscience technology Co.,Ltd

网址: www.njbybio.com 官方热线: 025-5229-8998 监督电话: 15950492658