

Mouse MMP14 Monoclonal Antibody | anti-MMP14 antibody

MMP14 Antibody (C-term)

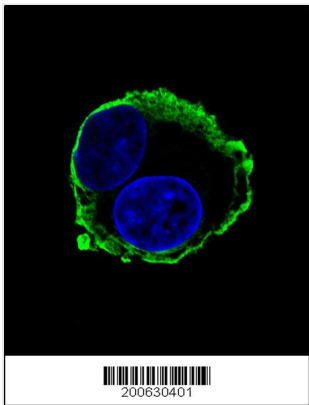
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283587	Mouse	Human (Predicted Reactivity: Mouse, Rat, Rabbit, Pig, Bovine)	Immunofluorescence, ELISA, Western Blot

PRODUCT SYNONYMS

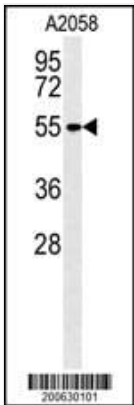
MMP14; Monoclonal Antibody; MMP14 Antibody (C-term); Matrix metalloproteinase-14; MMP-14; MMP-X1; Membrane-type matrix metalloproteinase 1; MT-MMP 1; MTMMP1; Membrane-type-1 matrix metalloproteinase; MT1-MMP; MT1MMP; anti-MMP14 antibody

PRODUCT SPECIFICATIONS

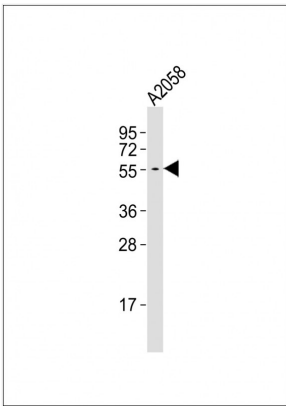
Host	Mouse
Reactivity	Human (Predicted Reactivity: Mouse, Rat, Rabbit, Pig, Bovine)
Clonality	Monoclonal
Isotype	Mouse IgM
Clone Number	133CT15.10.5.1
Specificity	This MMP14 antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 470-499 amino acids from the C-terminal region of human MMP14.
Form/Format	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Euglobin precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	470-499
Sequence Length	582
Applicable Applications for anti-MMP14 antibody	IF (Immunofluorescence), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



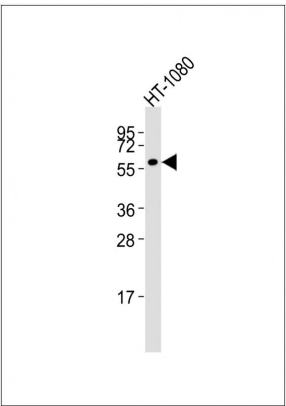
IF (Immunofluorescence)
Confocal immunofluorescent analysis of MMP14 Antibody (C-term) with HepG2 cell followed by Alexa Fluor 488-conjugated goat anti-mouse IgG (green). DAPI was used to stain the cell nuclear (blue).



WB (Western Blot)
MMP14 Monoclonal Antibody (C-term) western blot analysis in A2058 cell line lysates (35ug/lane).This demonstrates the MMP14 antibody detected the MMP14 protein (arrow).(8ug/ml)



WB (Western Blot)
Anti-MMP14 Antibody (C-term) at 1:500 dilution + A2058 whole cell lysatesLysates/proteins at 20 ug per lane.SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilutionPredicted band size : 66 kDaBlocking/Dilution buffer: 5% NFDm/TBST.



WB (Western Blot)
Anti-MMP14 Antibody (C-term) at 1:1000 dilution + HT-1080 whole cell lysatesLysates/proteins at 20 ug per lane.SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilutionPredicted band size : 66 kDaBlocking/Dilution buffer: 5% NFDm/TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-MMP14 antibody	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.
Product Categories/Family for anti-MMP14 antibody	Crown Antibodies; Cancer; Cardiovascular; Cell Biology; Neuroscience; Signal Transduction
References	Onimaru, M., et al. Arterioscler. Thromb. Vasc. Biol. 30(4):818-826(2010) Wipff, J., et al. J. Rheumatol. 37(3):599-602(2010) Liao, M.C., et al. Biochemistry 49(6):1127-1136(2010)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4826834
NCBI GeneID	4323

NCBI Accession #	NP_004986.1
NCBI GenBank Nucleotide #	NM_004995.3
UniProt Accession #	P50281 ; Q6GSF3 ; Q92678 ; A8K5L0
Molecular Weight	65894
NCBI Official Full Name	matrix metalloproteinase-14 preproprotein
NCBI Official Synonym Full Names	matrix metalloproteinase 14 (membrane-inserted)
NCBI Official Symbol	MMP14
NCBI Official Synonym Symbols	MMP-14; MMP-X1; MT-MMP; MT1MMP; MTMMP1; WNCHRS; MT1-MMP; MT-MMP 1
NCBI Protein Information	matrix metalloproteinase-14
UniProt Protein Name	Matrix metalloproteinase-14
UniProt Gene Name	MMP14
UniProt Synonym Gene Names	MMP-14; MT-MMP 1; MTMMP1; MT1-MMP; MT1MMP
UniProt Entry Name	MMP14_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/mmp14-antibody-clone-133ct15-10-5-1-immunofluorescence-western-blot-elisa/283587>