ARG22191
anti-MMP9 antibody [SB15c]

Package: 100 µg, 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [SB15c] recognizes MMP9
Tested Reactivity	Hu
Tested Application	ELISA, ICC/IF, IHC-P, WB
Specificity	Human/Mouse MMP-9
Host	Mouse
Clonality	Monoclonal
Clone	SB15c
Isotype	IgG2a, kappa
Target Name	MMP9
Species	Human
Immunogen	Recombinant full length Human MMP-9
Conjugation	Un-conjugated
Alternate Names	Matrix metalloproteinase-9; 92 kDa gelatinase; MMP-9; Gelatinase B; GELB; CLG4B; MANDP2; EC 3.4.24.35; 92 kDa type IV collagenase

Application Instructions

Application table

Application	Dilution
ELISA	< 1 µg/ml
ICC/IF	Assay-dependent
IHC-P	Assay-dependent
WB	Assay-dependent

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

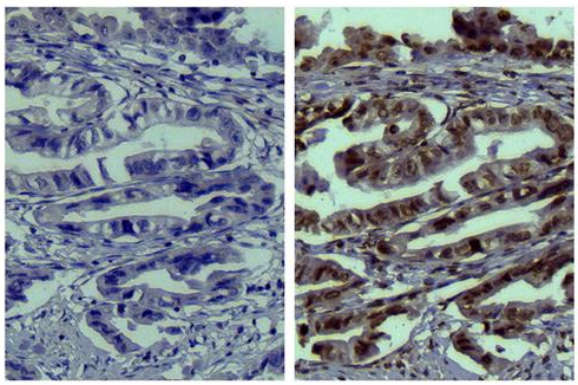
Properties

Form	Liquid
Buffer	BBS (pH 8.2)
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

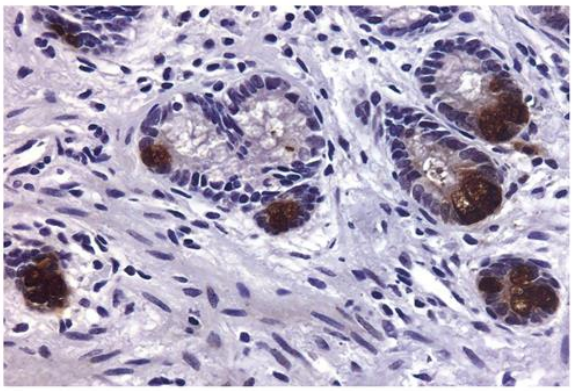
Database links	GeneID: 4318 Human Swiss-port # P14780 Human
Gene Symbol	MMP9
Gene Full Name	matrix metallopeptidase 9
Background	Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, 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. The enzyme encoded by this gene degrades type IV and V collagens. Studies in rhesus monkeys suggest that the enzyme is involved in IL-8-induced mobilization of hematopoietic progenitor cells from bone marrow, and murine studies suggest a role in tumor-associated tissue remodeling. [provided by RefSeq, Jul 2008]
Function	May play an essential role in local proteolysis of the extracellular matrix and in leukocyte migration. Could play a role in bone osteoclastic resorption. Cleaves KiSS1 at a Gly-|-Leu bond. Cleaves type IV and type V collagen into large C-terminal three quarter fragments and shorter N-terminal one quarter fragments. Degrades fibronectin but not laminin or Pz-peptide. [UniProt]
Highlight	Related Antibody Duos and Panels: ARG30315 Brain Injury IHC Marker Antibody Duo (GFAP, MMP9) Related products: MMP9 antibodies; MMP9 ELISA Kits; MMP9 Duos / Panels; Anti-Mouse IgG secondary antibodies;
Research Area	Brain Injury IHC Study antibody
Calculated Mw	78 kDa
PTM	Processing of the precursor yields different active forms of 64, 67 and 82 kDa. Sequentially processing by MMP3 yields the 82 kDa matrix metalloproteinase-9. N- and O-glycosylated.

Images



ARG22191 anti-MMP9 antibody [SB15c] IHC-P image

Immunohistochemistry: Paraffin-embedded Human gastric cancer tissue stained with ARG21961 Mouse IgG2a Isotype Control antibody [HOPC-1] (left) and ARG22191 anti-MMP9 antibody [SB15c] (right) followed by ARG23705 Goat anti-Mouse IgG2a (HRP) (pre-adsorbed), DAB and hematoxylin.



ARG22191 anti-MMP9 antibody [SB15c] IHC-P image

Immunohistochemistry: Paraffin-embedded Human colon cancer tissue stained with ARG22191 anti-MMP9 antibody [SB15c] followed by ARG23806 Goat anti-Mouse IgG2a antibody (Biotin) (pre-adsorbed), ARG23912 Streptavidin (HRP), DAB and hematoxylin.