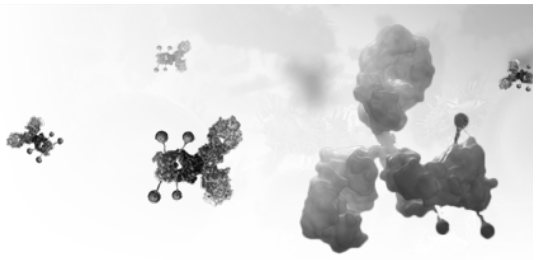

Mouse Anti-Human MMP-9 monoclonal antibody, clone JID120 (CABT-L3023)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	This antibody is intended for qualified laboratories to qualitatively identify by light microscopy the presence of associated antigens in sections of formalin-fixed, paraffin-embedded tissue sections using IHC test methods.
Specificity	Human MMP-9
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	JID120
Conjugate	Unconjugated
Applications	IHC
Reconstitution	The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining. The concentrated antibody requires dilution in the optimized buffer, to the recommended working dilution range.
Positive Control	Breast Carcinoma, Placenta
Format	Liquid
Size	Predilut: 7 ml, Concentrate: 100 µl, Concentrate: 1 ml
Buffer	Predilute: Antibody Diluent Buffer Concentrate: Tris Buffer, pH 7.3 - 7.7, with 1% BSA

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Preservative	< 0.1% Sodium Azide
Storage	Store at 2-8°C. Do not freeze.
Ship	Wet ice

BACKGROUND

Introduction	Matrix Metalloproteinase-9 (MMP-9), also known as 92-kDa type IV collagenase or gelatinase B, is a member of a family of proteins involved in degradation of the extracellular matrix (ECM). MMP-9 is produced by neutrophils, macrophages, mast cells, and stromal cells, after activation in inflammatory tissues, and it has been reported that the protein may have a crucial role in angiogenesis and neovascularization. As degradation of collagen IV in the basement membrane and ECM promotes tumor progression, including invasion, metastasis, growth and angiogenesis, MMP-9 is involved in the development of several human malignancies. Overexpression of MMP-9 has been reported in a number of different cancers, including those of the breast and colon, as well as gastric and nasopharyngeal cancers.
Keywords	MMP9;matrix metallopeptidase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase);GELB;CLG4B;MMP-9;MANDP2;matrix metalloproteinase-9;type V collagenase;macrophage gelatinase;matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase);

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