Medaysis
Enable Innovation

DATA SHEET

Rabbit Anti-MMP9 [MMP9/2025R]: RM0201, RM0201RTU7

Intended Use: For Research Use Only

Description: Matrix metalloproteinases (MMPs), a family of peptidase enzymes, plays a critical role in degradation of extracellular matrix components in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes. MMP-9, also designated as 92-kDa Type IV Collagenase or gelatinase B is a member of MMPs, which is produced as a 92- kDa pro-enzyme by neutrophils and macrophages as a normal constituent and released into the extracellular environment after activation in inflammatory tissues. MMP-9 is predominantly expressed in neutrophils, macrophages, mast cells and stromal cells. The expression levels of MMP-9 in tumors are elevated compared with the corresponding normal tissues in a variety of cancer types, including breast, colon, gastric and nasopharyngeal cancers.

Specifications

Clone:	MMP9/2025R
Source:	Rabbit
Isotype:	IgG
Reactivity:	Human
Immunogen:	Recombinant fragment aa 603-614 of human MMP-9 protein
Localization:	Cytoplasm
Formulation:	Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)
Storage:	Store at 2°- 8°C
Applications:	IHC

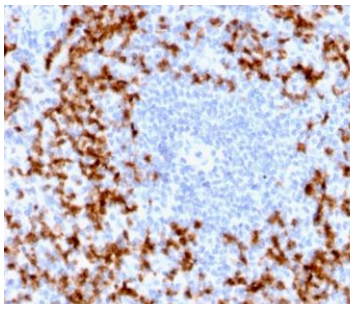
Package:

Description	Catalog No.	Size
MMP9 Concentrated	RM0201	1 ml
MMP9 Prediluted	RM0201RTU7	7 ml

IHC Procedure*

Positive Control Tissue:	Spleen, breast cancer
Concentrated Dilution:	50-200
Pretreatment:	Tris EDTA pH9.0, 15 minutes Pressure Cooker or 30-60 minutes water bath at 95°-99°C
Incubation Time and Temp:	30-60 minutes @ RT
Detection:	Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human spleen stained with anti-MMP9 using DAB

References:

1. Anti-RhoC siRNAs inhibit the proliferation and invasiveness of breast cancer cells via modulating the KAI1, MMP9, and CXCR4 expression. Xu XD, et al. Onco Targets Ther 10:1827-1834, 2017.
2. Protective Effect of Tang Wang One Decoction on the Retinal Vessels of Diabetic Rats. Kou X, et al. Evid Based Complement Alternat Med 2017:8635127, 2017.
3. Effects of baicalein on IL-1ß-induced inflammation and apoptosis in rat articular chondrocytes. Li Y, et al. Oncotarget 8:90781-90795, 2017.

Orders: customercare@medaysis.com Support: techsupport@medaysis.com Tel: 510-509-3153 www.medaysis.com