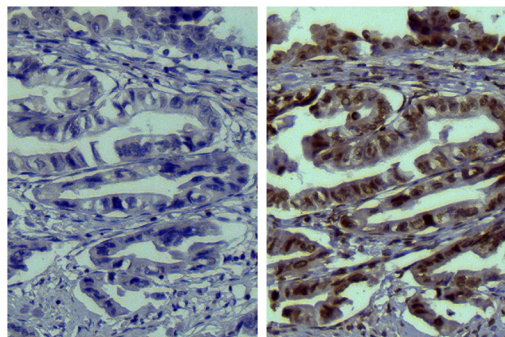




Mouse Anti-Human MMP-9

Cat. No.	Format	Size
12025-01	Purified (UNLB)	0.1 mg
12025-05	Horseradish Peroxidase (HRP)	1.0 mL



Paraffin embedded human gastric cancer tissue was stained with Mouse IgG_{2a}-UNLB isotype control (SB Cat. No. 0103-01; left) and Mouse Anti-Human MMP-9-UNLB (SB Cat. No. 12025-01; right) followed by Goat Anti-Mouse IgG_{2a}, Human ads-HRP (SB Cat. No. 1080-05), DAB, and hematoxylin.

Overview

Clone	SB15c
Isotype	Mouse (BALB/c) IgG _{2a} K
Immunogen	Recombinant full length MMP-9
Specificity	Human/Mouse MMP-9
Alternate Name(s)	Matrix metalloproteinase 9, gelatinase B, 92 kDa gelatinase

Description

Matrix metalloproteinases (MMPs) are a family of at least 23 structurally related, zinc-containing enzymes that have the ability to breakdown connective tissue. MMP-9 has shown substrate specificity to collagens types IV, V, XI, and XIV as well as additional extracellular matrix components including gelatin, elastin, vitronectin, and laminin.

Applications

IHC-PS – Quality tested ¹⁻³
 ELISA ⁵
 ICC ⁵
 WB – Reported in literature ⁴

Working Dilutions

Immunohistochemistry	Purified (UNLB) antibody	≤ 5 µg/mL
	HRP conjugate	1:20 – 1:100
ELISA	Purified (UNLB) antibody	≤ 1 µg/mL
Other Applications	Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need.	

For Research Use Only. Not for Diagnostic or Therapeutic Use.

Handling and Storage

- The purified antibody (UNLB) is supplied as 0.1 mg purified immunoglobulin in 0.2 mL of borate buffered saline, pH 8.2. *No preservatives or amine-containing buffer salts added.* Store at 2-8°C.
- The horseradish peroxidase (HRP) conjugate is supplied as 1.0 mL in a stock solution of 50% glycerol/50% PBS, pH 7.4. No preservative added. Store at 2-8°C or long-term at -20°C.
- Reagents are stable for the period shown on the label if stored as directed.

References

1. Ye H, Yu T, Temam S, Ziober BL, Wang J, Schwartz JL, et al. Transcriptomic dissection of tongue squamous cell carcinoma. *BMC Genomics*. 2008;9:69. (IHC-PS)
2. Ouvrier A, Alves G, Damon-Soubeyrand C, Marceau G, Cadet R, Janny L, et al. Dietary cholesterol-induced post-testicular infertility. *PLoS One*. 2011;6(11):e26966. (IHC-PS, Mouse Reactivity)
3. Stenvold H, Donnem T, Andersen S, Al-Saad S, Al-Shibli K, Busund L, et al. Overexpression of matrix metalloproteinase-7 and -9 in NSCLC tumor and stromal cells: correlation with a favorable clinical outcome. *Lung Cancer*. 2012;75:235-41. (IHC-PS)
4. Liu G, Liu Y, Yang Z, Zhu A, Zhao C. MicroRNA-524-5p suppresses the growth and invasive abilities of gastric cancer cells. *Oncol Lett*. 2016;11:1926-32. (WB)
5. SouthernBiotech unpublished data (ELISA, ICC)