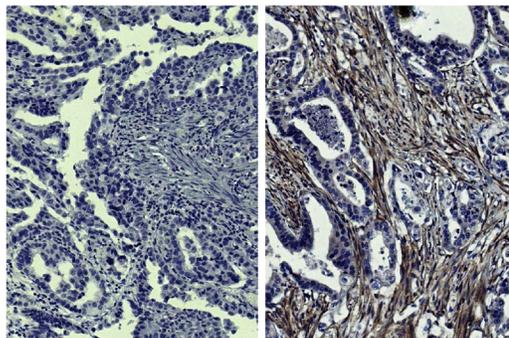




## Mouse Anti-Human MMP-2

Cat. No.	Format	Size
12015-01	Purified (UNLB)	0.1 mg
12015-05	Horseradish Peroxidase (HRP)	1.0 mL



Paraffin embedded human gastric cancer tissue was stained with Mouse IgG<sub>1</sub>-UNLB isotype control (SB Cat. No. 0102-01; left) and Mouse Anti-Human MMP-2-UNLB (SB Cat. No. 12015-01; right) followed by HRP conjugated Anti-Mouse Ig secondary antibody, DAB, and hematoxylin.

### Overview

<b>Clone</b>	SB13a
<b>Isotype</b>	Mouse (BALB/c) IgG <sub>1</sub> κ
<b>Immunogen</b>	Recombinant MMP-2
<b>Specificity</b>	Human MMP-2
<b>Alternate Name(s)</b>	Matrix metalloproteinase 2, gelatinase A, 72 kDa type IV collagenase

### 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-2, along with MMP-9, belongs to the gelatinase group of MMP's which have three repeats of a type II fibronectin domain inserted in the catalytic domain. MMP-2 has shown substrate specificity to collagens types I, II, and III as well as the extracellular matrix component aggrecan.

### Applications

ELISA – Quality tested  
 IHC-PS<sup>1</sup>  
 ICC<sup>1</sup>

### Working Dilutions

<b>ELISA</b>	Purified (UNLB) antibody	≤ 1 µg/mL
	HRP conjugate	1:4,000 – 1:8,000

**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

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- 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

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1. SouthernBiotech published data (IHC-PS, ICC)