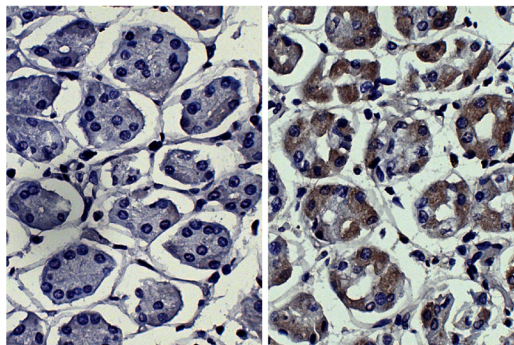




## Mouse Anti-Human MMP-3

Cat. No.	Format	Size
12020-01	Purified (UNLB)	0.1 mg
12020-05	Horseradish Peroxidase (HRP)	1.0 mL



Paraffin embedded human kidney cancer tissue was stained with Mouse IgG<sub>2a</sub>-UNLB isotype control (SB Cat. No. 0103-01; left) and Mouse Anti-Human MMP-3-UNLB (SB Cat. No. 12020-01; right) followed by Goat Anti-Mouse IgG<sub>2a</sub>, Human ads-HRP (SB Cat. No. 1080-05), DAB, and hematoxylin.

### Overview

<b>Clone</b>	SB14d
<b>Isotype</b>	Mouse (BALB/c) IgG <sub>2a</sub> K
<b>Immunogen</b>	Recombinant MMP-3
<b>Specificity</b>	Human MMP-3
<b>Alternate Name(s)</b>	Matrix metalloproteinase 3, stomelysin-1, transin

### 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-3 has shown substrate specificity to collagens types I, II, III, IV, VI, IX, X, and XIV as well as additional extracellular matrix components including gelatin, fibronectin, aggrecan, and perlecan.

### Applications

ELISA – Quality tested  
 IHC-PS<sup>2</sup>  
 IHC-FS – Reported in literature<sup>1</sup>  
 ICC<sup>3</sup>

### Working Dilutions

<b>ELISA</b>	Purified (UNLB) antibody	≤ 1 µg/mL
	HRP conjugate	1:1,000 – 1:2,000
<b>Other Applications</b>	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. Rijken F. Pathophysiology and prevention of photoaging: the role of melanin, reactive oxygen species and infiltrating neutrophils [dissertation]. Utrecht (Netherlands): Utrecht University; 2011. (IHC-FS)
2. SouthernBiotech published data (IHC-PS)
3. SouthernBiotech unpublished data (ICC)