SunLong Biotech Co.,LTD
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www.sunlongbiotech.com

**[ Primary Antibody ]**

# Recombinant Rabbit Anti-MPO Monoclonal Antibody

**Catalog Number: SLA3097M**

**FOR RESEARCH USE ONLY**

**[ DATASHEET ]**

| | |
|---|---|
| **Host:** | Rabbit |
| **Clonality:** | Monoclonal |
| **Clone No.:** | 6F1 |
| **GeneID:** | 4353 |
| **SWISS:** | P05164 |
| **Target:** | MPO |
| **Immunogen:** | A synthesized peptide derived from human MPO |
| **Purification:** | affinity purified by Protein A |
| **Concentration:** | 1mg/ml |
| **Storage:** | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20℃ for one year. Avoid repeated freeze/thaw cycles. |
| **Applications:** | IHC-P (1:200-500)<br>IHC-F (1:200-500)<br>IF (1:200-500)<br>Not yet tested in other applications.<br>Optimal working dilutions must be determined by the end user. |
| **Reactivity:** | Human |
| **Predicted MW.:** | 84 kDa |
| **Subcellular Location:** | Cytoplasm |
| **Background:** | Myeloperoxidase (MPO) is a heme protein synthesized during myeloid differentiation that constitutes the major component of neutrophil azurophilic granules. Produced as a single chain precursor, myeloperoxidase is subsequently cleaved into a light and heavy chain. The mature myeloperoxidase is a tetramer composed of 2 light chains and 2 heavy chains. This enzyme produces hypohalous acids central to the microbicidal activity of neutrophils. [provided by RefSeq, Nov 2014] |

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## [ VALIDATION IMAGES ]

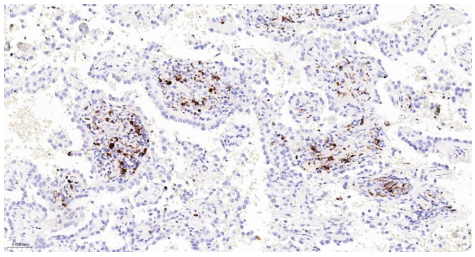


Figure 1. Paraformaldehyde-fixed, paraffin embedded Human Lung Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with MPO Monoclonal Antibody, Unconjugated(SLA3097M) at 1:200 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining.

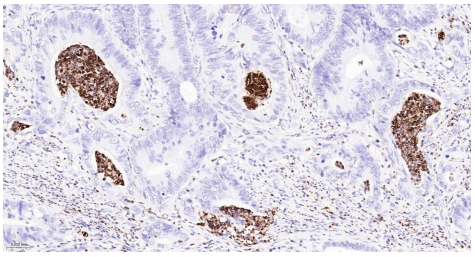


Figure 2. Paraformaldehyde-fixed, paraffin embedded Human Colon Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with MPO Monoclonal Antibody, Unconjugated(SLA3097M) at 1:200 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining.

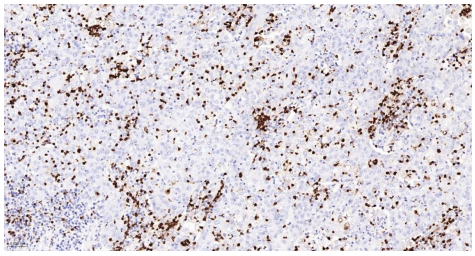


Figure 3. Paraformaldehyde-fixed, paraffin embedded Human Gastric Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with MPO Monoclonal Antibody, Unconjugated(SLA3097M) at 1:200 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining.

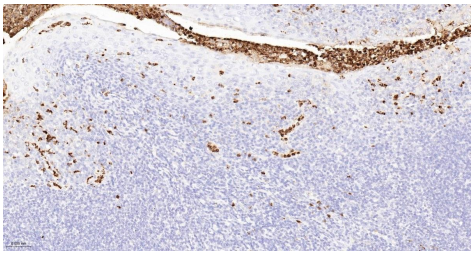


Figure 4. Paraformaldehyde-fixed, paraffin embedded Human Tonsil; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with MPO Monoclonal Antibody, Unconjugated(SLA3097M) at 1:200 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining.

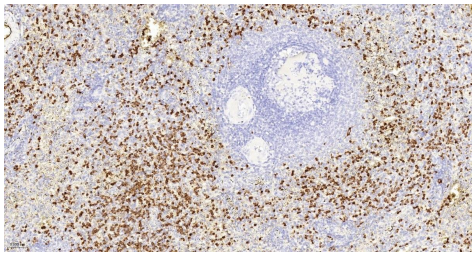


Figure 5. Paraformaldehyde-fixed, paraffin embedded Human Spleen; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with MPO Monoclonal Antibody, Unconjugated(SLA3097M) at 1:200 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining.

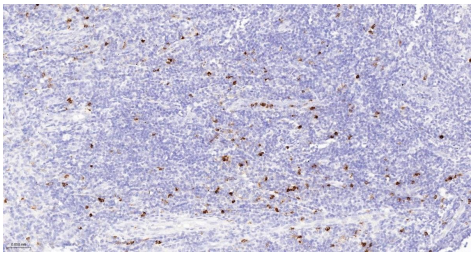


Figure 6. Paraformaldehyde-fixed, paraffin embedded Human Chronic tonsillitis; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with MPO Monoclonal Antibody, Unconjugated (SLA3097M) at 1:200 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining.

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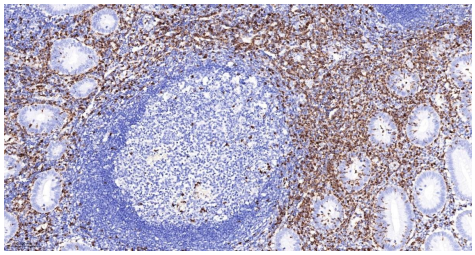


Figure 7. Paraformaldehyde-fixed, paraffin embedded Human Pyogenic appendicitis; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with MPO Monoclonal Antibody, Unconjugated (SLA3097M) at 1:200 overnight at 4°C, followed by conjugation to the SL0295G-HRP and DAB (C-0010) staining.
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