SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
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www.sunlongbiotech.com

[Primary Antibody]

Recombinant Rabbit Anti-AZU1 Monoclonal Antibody

Catalog Number: SLA0517M

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Clone No.:	6C7
GeneID:	566
SWISS:	P20160
Target:	AZU1
Immunogen:	Recombinant Human Azurocidin Protein
Purification:	affinity purified by Protein A
Storage:	0.01M PBS (pH7.4). Shipped at 4℃. Store at -20℃ for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ELISA (1:5000-10000) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Human
Predicted MW.:	24 kDa
Subcellular Location:	Cytoplasm
Background:	This is a neutrophil granule-derived antibacterial and monocyte- and fibroblast-specific chemotactic glycoprotein. Binds heparin. The cytotoxic action is limited to many species of Gram-negative bacteria; this specificity may be explained by a strong affinity of the very basic N-terminal half for the negatively charged lipopolysaccharides that are unique to the Gram-negative bacterial outer envelope. It may play a role in mediating recruitment of monocytes in the second wave of inflammation. Has antibacterial activity against the Gram-nagative bacterium P.aeruginosa, this activity is inhibited by LPS from P.aeruginosa.

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[VALIDATION IMAGES]

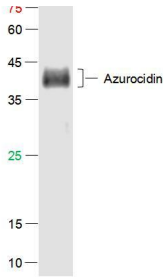


Figure 1. Sample:
Lane 1:Recombinant Human Azurocidin Protein at 100ng
Primary: Mouse Anti-Azurocidin Monoclonal Antibody at 1/1000 dilution (Cat.SLA0517M)
Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution
Predicted band size: 28.6kD
Observed band size: 38-42kD

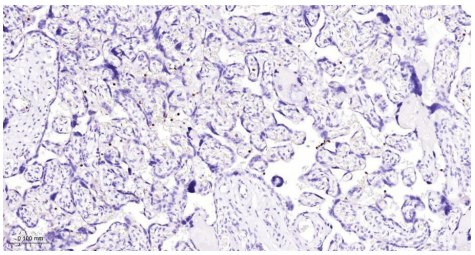


Figure 2. Paraformaldehyde-fixed, paraffin embedded Human Acute choriitis; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Azurocidin/HBP Monoclonal Antibody, Unconjugated (SLA0517M) at 1:200 overnight at 4°C, followed by conjugation to the SL40296G-HRP and DAB (C-0010) staining.

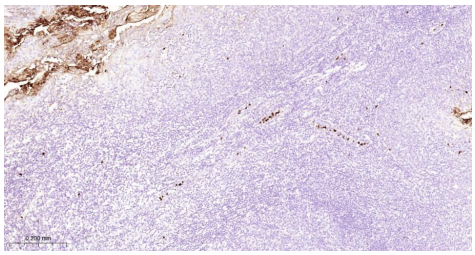


Figure 3. Paraformaldehyde-fixed, paraffin embedded Human Chronic tonsillitis; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Azurocidin/HBP Monoclonal Antibody, Unconjugated (SLA0517M) at 1:200 overnight at 4°C, followed by conjugation to the SL40296G-HRP and DAB (C-0010) staining.

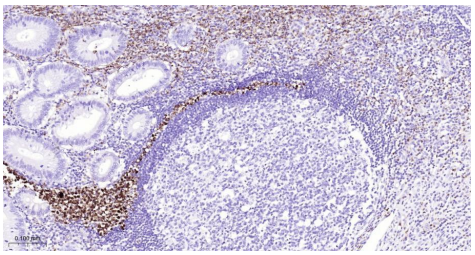


Figure 4. Paraformaldehyde-fixed, paraffin embedded Human Purulent appendicitis; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Azurocidin/HBP Monoclonal Antibody, Unconjugated (SLA0517M) at 1:200 overnight at 4°C, followed by conjugation to the SL40296G-HRP and DAB (C-0010) staining.

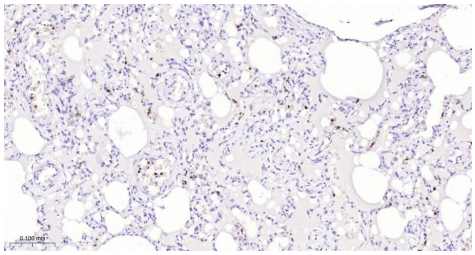


Figure 5. Paraformaldehyde-fixed, paraffin embedded Human Lung; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Azurocidin/HBP Monoclonal Antibody, Unconjugated (SLA0517M) at 1:200 overnight at 4°C, followed by conjugation to the SL40296G-HRP and DAB (C-0010) staining.

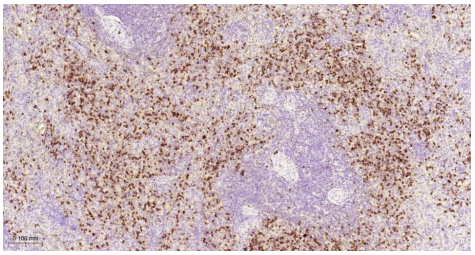


Figure 6. Paraformaldehyde-fixed, paraffin embedded Human Spleen; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with Azurocidin/HBP Monoclonal Antibody, Unconjugated (SLA0517M) at 1:200 overnight at 4°C, followed by conjugation to the SL40296G-HRP and DAB (C-0010) staining.

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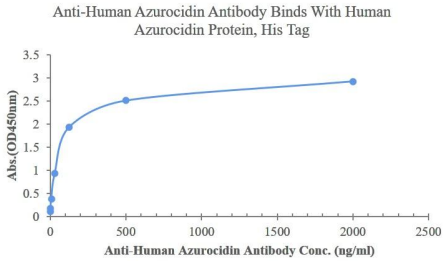


Figure 7. Measured by its binding ability in a indirect ELISA. Immobilized Human Azurocidin, His Tag (Cat. SL43022P) at 2 μg/mL (100 μL/well) can bind Anti-HumanAzurocidin monoclonal antibody, the minimum detection concentration is 2ng/mL

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