SunLong Biotech Co.,LTD
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E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

[Primary Antibody]

Recombinant Rabbit Anti-S100A4 Monoclonal Antibody

Catalog Number: SLA1134M

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Mouse
Isotype:	IgG2a kappa
Clonality:	Monoclonal
Clone No.:	9E12
GeneID:	6275
SWISS:	P26447
Target:	S100A4
Immunogen:	KLH conjugated synthetic peptide derived from human S100A4
Purification:	affinity purified by Protein G
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 (1:50-200) IHC-F (1:50-200) IF (1:50-200) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Human
Predicted MW.:	12 kDa
Subcellular Location:	Nucleus
Background:	The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21. This protein may function in motility, invasion, and tubulin polymerization. Chromosomal rearrangements and altered expression of this gene have been implicated in tumor metastasis. Multiple alternatively spliced variants, encoding the same protein, have been identified.

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	[provided by RefSeq, Jul 2008]

[VALIDATION IMAGES]

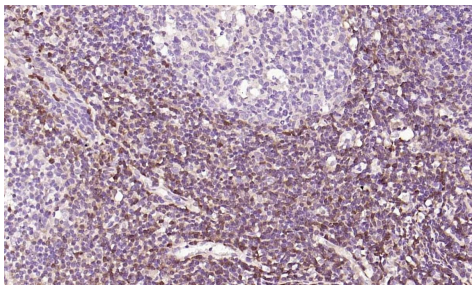


Figure 1. Paraformaldehyde-fixed, paraffin embedded (human tonsil); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (S100A4) Monoclonal Antibody, Unconjugated (SLA1134M) at 1:100 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024)instructionsand DAB staining.

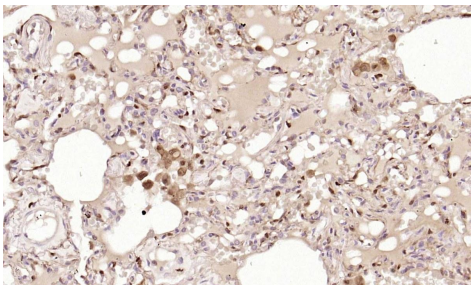


Figure 2. Paraformaldehyde-fixed, paraffin embedded (human lung carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (S100A4) Monoclonal Antibody, Unconjugated (SLA1134M) at 1:100 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024)instructionsand DAB staining.

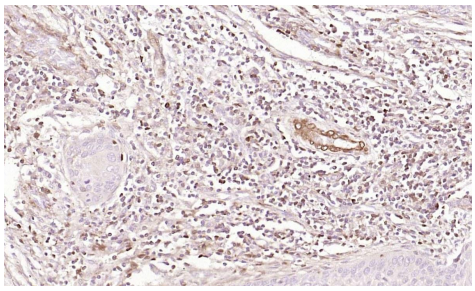


Figure 3. Paraformaldehyde-fixed, paraffin embedded (human cervical carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (S100A4) Monoclonal Antibody, Unconjugated (SLA1134M) at 1:100 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024)instructionsand DAB staining.

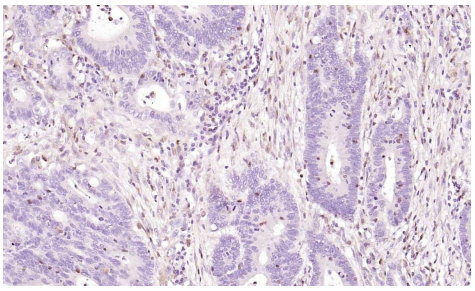


Figure 4. Paraformaldehyde-fixed, paraffin embedded (human colon carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (S100A4) Monoclonal Antibody, Unconjugated (SLA1134M) at 1:100 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024)instructionsand DAB staining.

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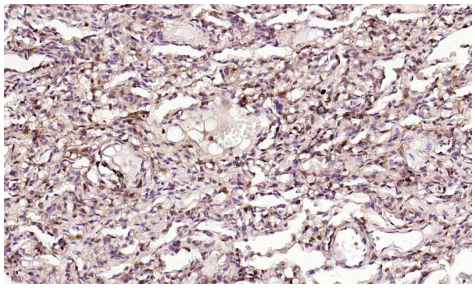


Figure 5. Paraformaldehyde-fixed, paraffin embedded (human lung); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (S100A4) Monoclonal Antibody, Unconjugated (SLA1134M) at 1:100 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024)instructionsand DAB staining.

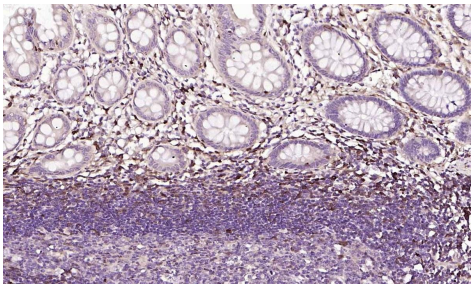


Figure 6. Paraformaldehyde-fixed, paraffin embedded (human colon); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (S100A4) Monoclonal Antibody, Unconjugated (SLA1134M) at 1:100 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024)instructionsand DAB staining.

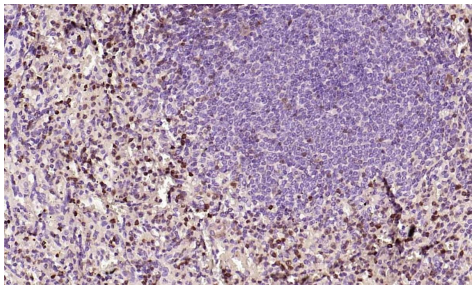


Figure 7. Paraformaldehyde-fixed, paraffin embedded (human spleen); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (S100A4) Monoclonal Antibody, Unconjugated (SLA1134M) at 1:100 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024)instructionsand DAB staining.

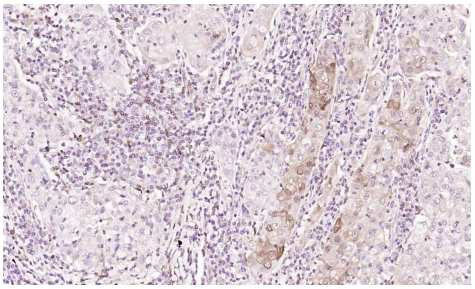


Figure 8. Paraformaldehyde-fixed, paraffin embedded (human gastric carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (S100A4) Monoclonal Antibody, Unconjugated (SLA1134M) at 1:100 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024)instructionsand DAB staining.
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