SunLong Biotech Co.,LTD
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[Primary Antibody]

Recombinant Rabbit Anti-CD40 Monoclonal Antibody

Catalog Number: SLA0987M

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Clone No.:	7H7
GeneID:	958
SWISS:	P25942
Target:	CD40
Immunogen:	Recombinant human CD40 protein
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:	WB (1:500-2000) IHC-P (1:200-800) IHC-F (1:200-800) IF (1:200-800) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Human
Predicted MW.:	30 kDa
Background:	Predicted to enable antigen binding activity; protein domain specific binding activity; and ubiquitin protein ligase binding activity. Involved in B cell mediated immunity; CD40 signaling pathway; and cellular calcium ion homeostasis. Acts upstream of or within several processes, including defense response to other organism; positive regulation of B cell activation; and positive regulation of interleukin-12 production. Located in external side of plasma membrane and intracellular membrane-bounded organelle. Part of CD40 receptor complex. Is expressed in several structures, including alimentary system; brain; hemolymphoid system gland; liver and biliary system; and reproductive system.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Human ortholog(s) of this gene implicated in several diseases, including Kawasaki disease; autoimmune disease (multiple); end stage renal disease; hyperimmunoglobulin syndrome (multiple); and non-Hodgkin lymphoma (multiple). Orthologous to human CD40 (CD40 molecule). [provided by Alliance of Genome Resources, Apr 2022]

[VALIDATION IMAGES]

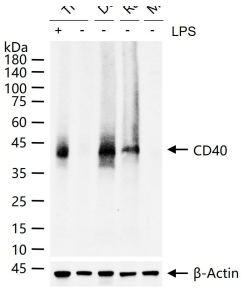


Figure 1. THP-1 (H) LPS-treated (100 ng/ml) for 7 h, 25 µg total protein per lane of cell lysates (see on figure) probed with CD40 monoclonal antibody, unconjugated (SLA0987M) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

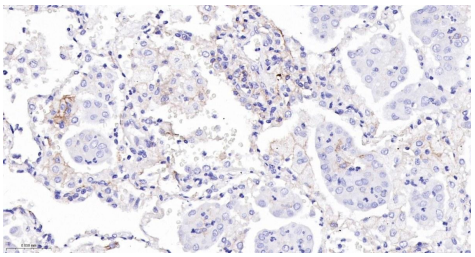


Figure 2. Paraformaldehyde-fixed, paraffin embedded Human Lung Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with CD40 Monoclonal Antibody, Unconjugated (SLA0987M) at 1:800 overnight at 4°C, followed by conjugation to the SL40296G-HRP and DAB (C-0010) staining.

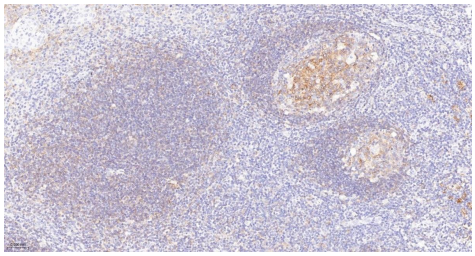


Figure 3. Paraformaldehyde-fixed, paraffin embedded Human Tonsil; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with CD40 Monoclonal Antibody, Unconjugated (SLA0987M) at 1:800 overnight at 4°C, followed by conjugation to the SL40296G-HRP and DAB (C-0010) staining.

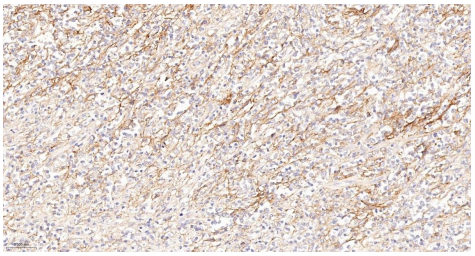


Figure 4. Paraformaldehyde-fixed, paraffin embedded Human Lymph; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with CD40 Monoclonal Antibody, Unconjugated (SLA0987M) at 1:800 overnight at 4°C, followed by conjugation to the SL40296G-HRP and DAB (C-0010) staining.

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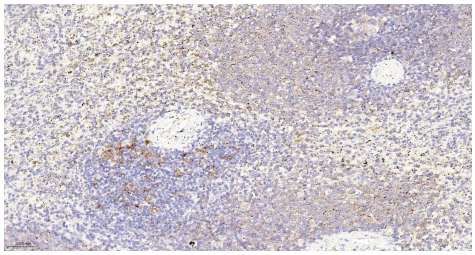


Figure 5. Paraformaldehyde-fixed, paraffin embedded Human Spleen; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; The section was incubated with CD40 Monoclonal Antibody, Unconjugated (SLA0987M) at 1:800 overnight at 4°C, followed by conjugation to the SL40296G-HRP and DAB (C-0010) staining.
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