



## Rabbit Anti-CD40L antibody

SL1286R

<b>Product Name:</b>	CD40L
<b>Chinese Name:</b>	CD40L抗体
<b>Alias:</b>	TNFSF5; CD 154; CD154; CD 40L; CD154; CD154 antigen; CD40 homologue; CD40 ligand; CD40LG; gp39; hCD40L; HIGM1; Hyper IgM syndrome; IGM; IMD3; Ly62; T B cell activating molecule; T cell antigen GP39; TBAM; TNF related activation protein; TNF superfamily member 5; Tnfsf5; TRAP; Tumor necrosis factor (ligand) superfamily member 5.
<b>文献引用</b> <b>PubMed</b> :	<b>Specific References(1)</b> SL1286R has been referenced in 1 publications. <b>[IF=2.91]</b> Zhang, Feng, et al. "BAFF upregulates CD28/B7 and CD40/CD154 expression and promotes mouse T and B cell interaction in vitro via BAFF receptor." Acta Pharmacologica Sinica (2016). <b>WB;Mouse.</b> <a href="#">PubMed:27180986</a>
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Rat,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	29kDa
<b>Cellular localization:</b>	The cell membraneSecretory protein
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human CD40L:31-150/261<Extracellular>
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A

<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	<p>CD40 ligand (CD40L) is a 33 kDa type II membrane glycoprotein expressed mainly on the cell surface of activated T lymphocytes, but also exists as a soluble form extracellularly. CD40L is the ligand for CD40, a member of the TNF superfamily, which is expressed on the cell surface of B cells, macrophages/monocytes, dendritic cells, vascular endothelial cells, and epithelial cells. CD40L plays an important role in B cell proliferation, antibody class switching, modulation of apoptosis in the germinal center through interaction with B cells expressing CD40, and activation of CD4+ T cells. Mutation within the CD40L gene is linked to hyper IgM syndrome, an X linked immunodeficiency disease that is characterized by elevated level of serum IgM and decreased level of other isotypes.</p> <p><b>Function:</b> Mediates B-cell proliferation in the absence of co-stimulus as well as IgE production in the presence of IL-4. Involved in immunoglobulin class switching. Release of soluble CD40L from platelets is partially regulated by GP IIb/IIIa, actin polymerization, and an matrix metalloproteinases (MMP) inhibitor-sensitive pathway.</p> <p><b>Subcellular Location:</b> Secreted and Cell membrane.</p> <p><b>Tissue Specificity:</b> Specifically expressed on activated CD4+ T-lymphocytes.</p> <p><b>DISEASE:</b> Defects in CD40LG are the cause of X-linked immunodeficiency with hyper-IgM type 1 (HIGM1) [MIM:308230]; also known as X-linked hyper IgM syndrome (XHIM). HIGM1 is an immunoglobulin isotype switch defect characterized by elevated concentrations of serum IgM and decreased amounts of all other isotypes. Affected males present at an early age (usually within the first year of life) recurrent bacterial and opportunistic infections, including Pneumocystis carinii pneumonia and intractable diarrhea due to cryptosporidium infection. Despite substitution treatment with intravenous immunoglobulin, the overall prognosis is rather poor, with a death rate of about 10% before adolescence.</p> <p><b>Similarity:</b> Belongs to the tumor necrosis factor family.</p> <p><b>SWISS:</b> P29965</p>

**Gene ID:**  
959

**Database links:**

[Entrez Gene: 959](#)Human

[Entrez Gene: 21947](#)Mouse

[Entrez Gene: 84349](#)Rat

[Omim: 300386](#)Human

[SwissProt: P29965](#)Human

[SwissProt: P27548](#)Mouse

[SwissProt: Q9Z2V2](#)Rat

[Unigene: 592244](#)Human

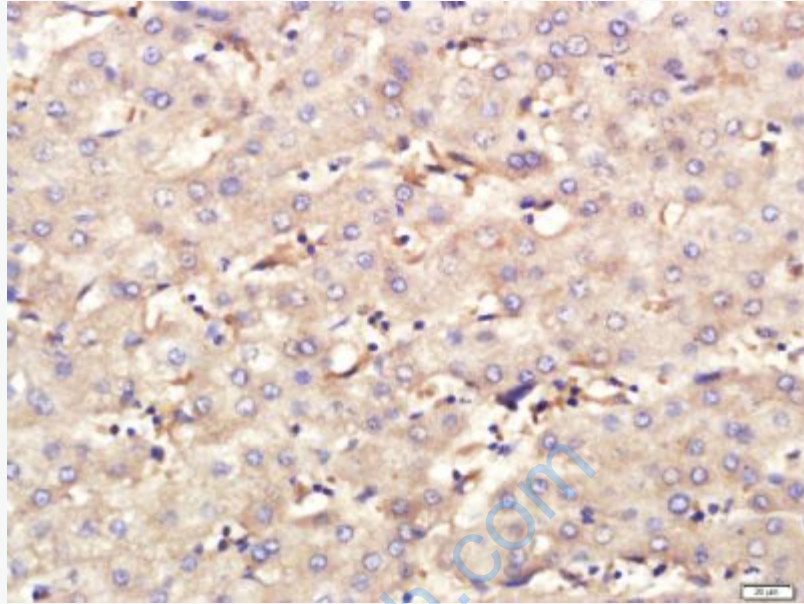
[Unigene: 4861](#)Mouse

[Unigene: 44218](#)Rat

**Important Note:**

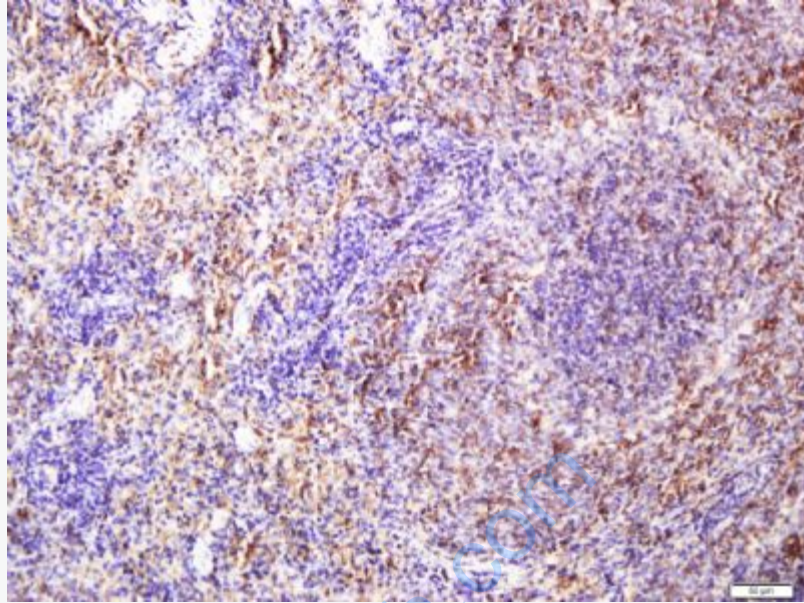
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

CD40L也是T细胞活化的重要辅助刺激通路,不仅在调节T细胞免疫反应中起关键作用,而且也在B细胞的活化、增殖、分化、抗体的分泌起重要作用。主要表达在B细胞,有抗凋亡和促生长、分化的作用。

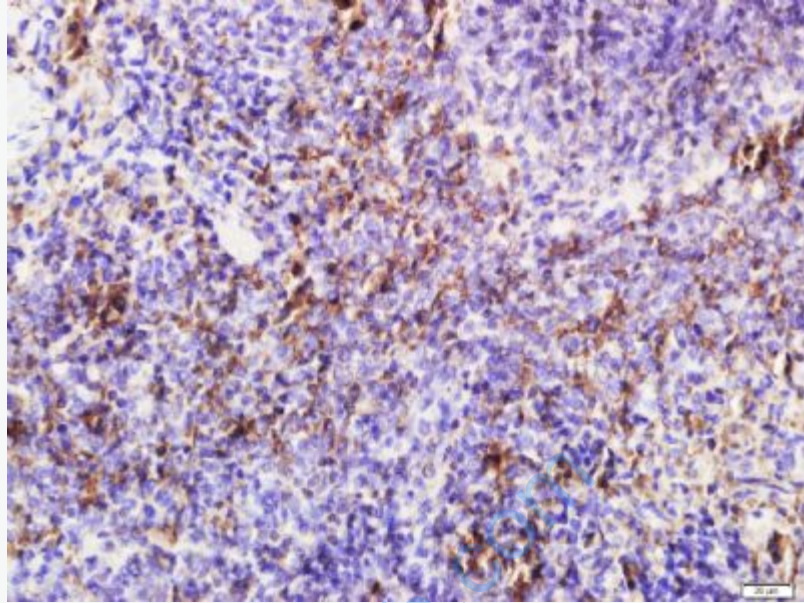


**Picture:**

Paraformaldehyde-fixed, paraffin embedded (human liver cancer); 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; Antibody incubation with (CD40L) Polyclonal Antibody, Unconjugated (SL1286R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat 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; Antibody incubation with (CD40L) Polyclonal Antibody, Unconjugated (SL1286R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



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