




## Rabbit Anti-CD28 antibody

SL1297R

<b>Product Name:</b>	CD28
<b>Chinese Name:</b>	CD28抗体
<b>Alias:</b>	CD 28; CD28 antigen; CD28 molecule; MGC138290; T cell antigen CD28; T cell specific surface glycoprotein; T cell specific surface glycoprotein CD28; Tp44.
<b>文献引用</b>  :	<b>Specific References(1)</b>  SL1297R has been referenced in 1 publications. <b>[IF=2.06]</b> Liu, Shangjing, et al. ?Costimulatory Molecule CD28 Participates in the Process of Embryo Implantation in Mice.? Reproductive Sciences (2013): 1933719113512537. <b>IHC-F;Mouse.</b> <a href="#">PubMed:24336670</a>
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=1µg/TestIF=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>	25kDa
<b>Cellular localization:</b>	The cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from mouse CD28:1-120/218<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>Human CD28 antigen is a 44 kDa disulfide linked homodimeric T cell specific surface glycoprotein. It is a cell adhesion molecule of the immunoglobulin superfamily which is constitutively expressed on most peripheral blood T lymphocytes (approximately 95% of CD4+ cells and 50% of CD8+ cells). Mature thymocytes exhibit higher levels of CD28 than the immature cells. Activation of T cells results in enhanced CD28 expression. T cell activation requires two combined signals provided by antigen presenting cells. The first is mediated via the T cell receptor following its interaction with antigenic peptide MHC complexes, and the second is delivered by accessory or costimulating molecules through their counter receptors on T lymphocytes. CD28 bears structural homology to CTLA 4 which is expressed at very low levels on the surface of CD4+ and CD8+ peripheral blood cells only following activation. CD28 is the natural receptor for the B7/BB 1 ligand (CD80) a 55-60 kDa glycoprotein which is expressed on activated B lymphocytes, on dendritic cells and on interferon gamma treated monocytes. The binding of B7 1/BB 1 molecules to CD28 is involved in T lymphocyte activation and in the initiation and maintenance of chronic inflammation.</p> <p><b>Function:</b> Possibly involved in T-cell activation.</p> <p><b>Subunit:</b> Homodimer; disulfide-linked. Interacts with DUSP14. Binds to CD80/B7-1 and CD86/B7-2/B70.</p> <p><b>Subcellular Location:</b> Membrane; Single-pass type I membrane protein.</p> <p><b>Similarity:</b> Contains 1 Ig-like V-type (immunoglobulin-like) domain.</p> <p><b>SWISS:</b> P31041</p> <p><b>Gene ID:</b> 12487</p> <p><b>Database links:</b></p> <p><a href="#">Entrez Gene: 940</a>Human</p> <p><a href="#">Entrez Gene: 12487</a>Mouse</p> <p><a href="#">Omim: 186760</a>Human</p> <p><a href="#">SwissProt: P10747</a>Human</p> <p><a href="#">SwissProt: P31041</a>Mouse</p>

[SwissProt: P42069](#)Rabbit

[Unigene: 591629](#)Human

[Unigene: 255003](#)Mouse

**Important Note:**

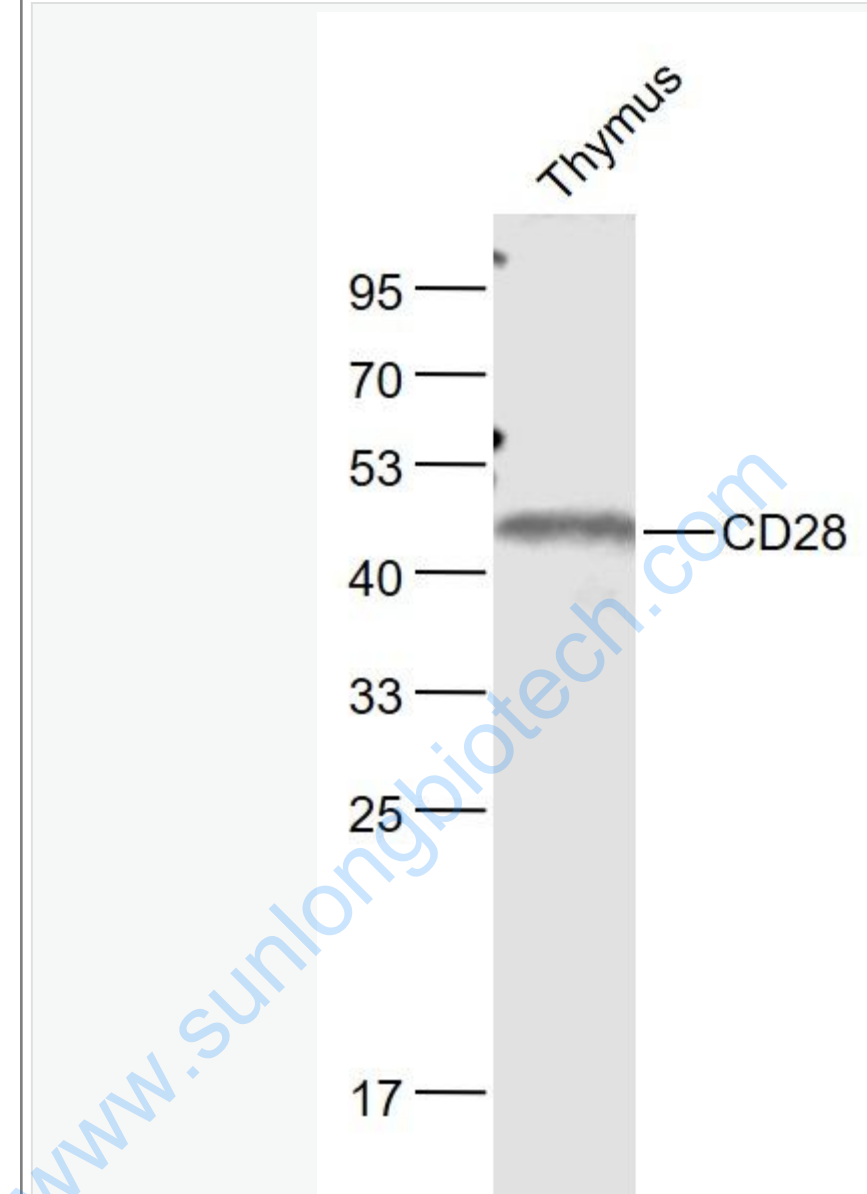
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

CD28是免疫球蛋白超家族成员之一

, 为T细胞特异性由二硫键连接的同源二聚体表面glycoprotein, 主要分布在外周血lymphocyte。对迟发型超敏反应以及Tc介导的细胞毒作用都有免疫调节作用。

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Picture:



Sample:

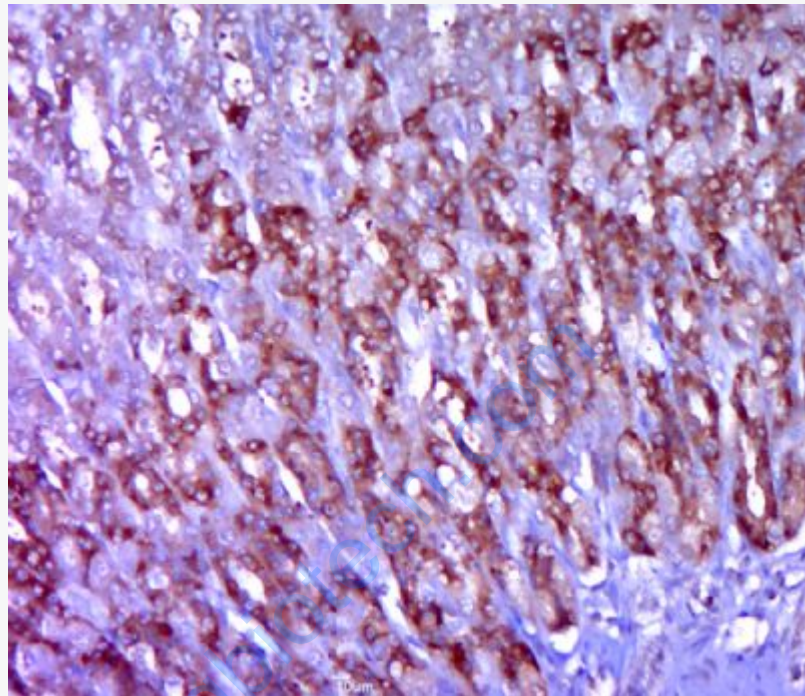
Thymus (Rat) Lysate at 40 ug

Primary: Anti-CD28 (SL1297R) at 1/1000 dilution

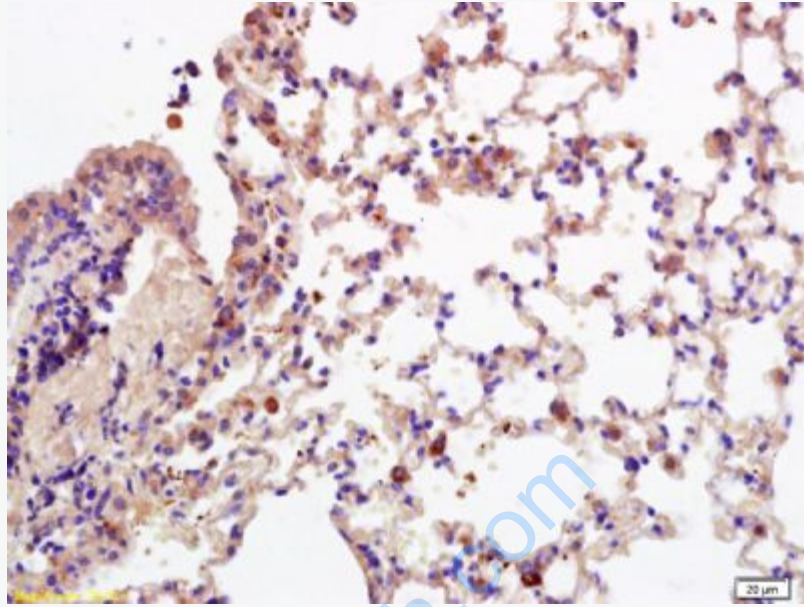
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 25 kD

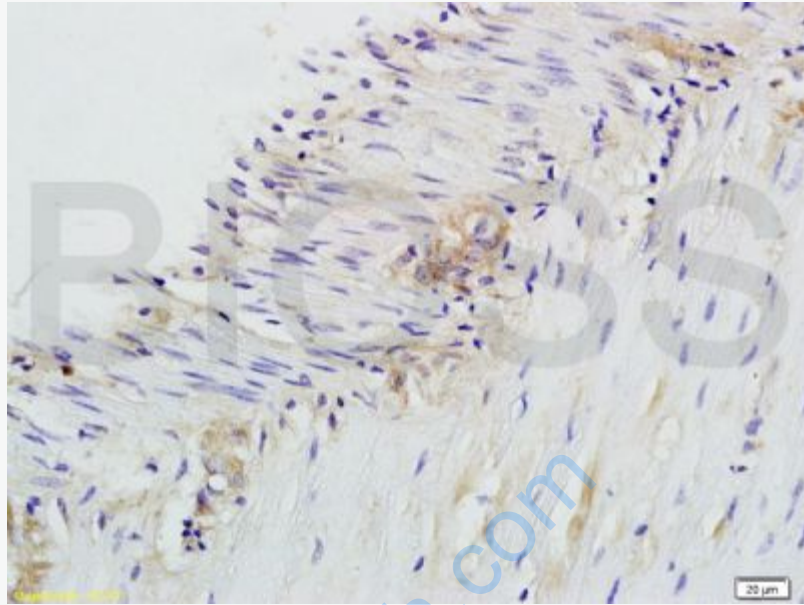
Observed band size: 44kD



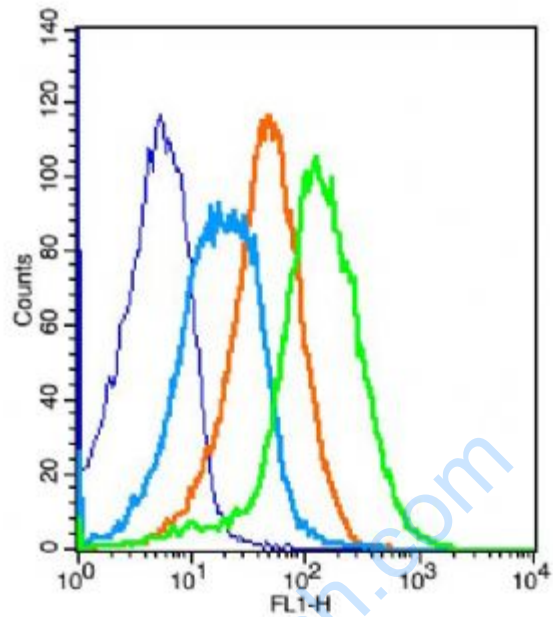
Paraformaldehyde-fixed, paraffin embedded (rat stomach tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CD28) Polyclonal Antibody, Unconjugated (SL1297R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Tissue/cell: mouse lung tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;  
Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;  
Incubation: Anti-CD28 Polyclonal Antibody, Unconjugated(SL1297R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: rat colitis tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;  
Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;  
Incubation: Anti-CD28 Polyclonal Antibody, Unconjugated(SL1297R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Key	Name	Parameter	Gate
—	(mo)Splencyte-blank.049	FL1-H	G1
—	bs-0295P(CST)-(FITC)#1E624C.051	FL1-H	G1
—	bs-0295G-FITC(CST)-(#1E624A.050	FL1-H	G1
—	bs-1297R-(FITC)-(mo)Sple-1.055	FL1-H	G1

Positive control: (mo)Splencytes(2% Paraformaldehyde-fixed )

Isotype Control Antibody

Antibody: Rabbit IgG; Supplier: Cell Signaling Technology; Dilution: 1 $\mu$ g in 100  $\mu$ l

1 X PBS containing 0.5% BSA

Secondary Antibody

Antibody: Goat anti-rabbit IgG-FITC; Supplier: Cell Signaling Technology;

Dilution: 1:200 in 1 X PBS containing 0.5% BSA

Primary Antibody

Supplier: Bioss; Supplier catalog number: bs-1297R; Dilution: 1 $\mu$ g in 100  $\mu$ l 1X



	PBS containing 0.5% BSA
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