




## Rabbit Anti-CD80 antibody

SL2211R

<b>Product Name:</b>	CD80
<b>Chinese Name:</b>	刺激分子B7-1蛋白抗体
<b>Alias:</b>	Activation B7-1 antigen; B lymphocyte activation antigen B7; B7; B7-1; B7-1 antigen; BB1; CD28 antigen ligand 1; CD28LG; CD28LG1; CD80; CD80 antigen (CD28 antigen ligand 1, B7-1 antigen); CD80 antigen; CD80 molecule; CD80_HUMAN; Costimulatory factor CD80; costimulatory molecule variant IgV-CD80; CTLA-4 counter-receptor B7.1; LAB7; T-lymphocyte activation antigen CD80; CD80_RAT.
<b>文献引用</b> 	<p><b>Specific References(5)</b>SL2211R has been referenced in 5 publications.</p> <p><b>[IF=2.46]</b>Wang, Shan, et al. "5-Aminolevulinic Acid-mediated Sonodynamic Therapy Reverses Macrophage and Dendritic Cell Passivity in Murine Melanoma Xenografts." <i>Ultrasound in Medicine &amp; Biology</i> (2014).<b>IHC-P;Mouse</b>. <a href="#">PubMed:25023114</a></p> <p><b>[IF=1.55]</b>Chen, Quan, et al. "Prevention of ultraviolet radiation-induced immunosuppression by sunscreen in Candida albicans-induced delayed type hypersensitivity." <i>Molecular Medicine Reports</i> (2016).<b>WB;Mouse</b>. <a href="#">PubMed:27175551</a></p> <p><b>[IF=2.16]</b>Ju, Huanyu, et al. "An effective cytokine adjuvant vaccine induces autologous T-cell response against colon cancer in an animal model." <i>BMC immunology</i> 17.1 (2016): 31.<b>IHC-P;Mouse</b>. <a href="#">PubMed:27669687</a></p> <p><b>[IF=1.58]</b>Liang, Zhuoping, et al. "Role of dendritic cells in consistency between upper and lower airway inflammatory responses: animal experimental studies." <i>Int J Clin Exp Pathol</i> 9.10 (2016): 10093-10104.<b>IHC-P;Rat</b>.</p>

	<p style="text-align: right;"><a href="#">PubMed:0</a></p> <p>[IF=5.19] Han, Sheng, et al. "LPS alters the immuno-phenotype of glioma and glioma stem-like cells and induces in vivo antitumor immunity via TLR4." Journal of Experimental &amp; Clinical Cancer Research 36.1 (2017): 83. <b>WB;Human.</b></p> <p style="text-align: right;"><a href="#">PubMed:28641579</a></p>
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Mouse,Rat,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=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>	30kDa
<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 rat CD80:251-321/321<Cytoplasmic>
<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>CD80 is a member of the Ig superfamily and serves as the ligand for two T cell molecules, CD28 and CTLA4. Interactions between CD28 and CD80 on activated B cells result in enhanced T cell activation. CD80 is rapidly induced on the surface of in vitro activated B cells, Epstein Barr Virus (EBV) transformed B cell lines, Burkitts lymphoma cell lines, freshly isolated follicular B lymphoma cells, T cells, and monocytes. It is also expressed at high levels in dendritic cells. It reacts weakly with a small proportion of non activated normal B cells and with HTLV1 infected T cells. CD80 does not react with peripheral monocytes, resting and activated normal T cells, T cell lines and T cell clones, nor with myelomonocytic cell lines.</p> <p><b>Function:</b> Involved in the costimulatory signal essential for T lymphocytes activation. T-cell proliferation and cytokine production is induced by the binding of CD28 or CTLA-4 to this receptor.</p> <p><b>Subcellular Location:</b> Membrane; Single-pass type I membrane protein.</p>

**Tissue Specificity:**

Expressed on activated B-cells, macrophages and dendritic cells.

**Similarity:**

Contains 1 Ig-like C2-type (immunoglobulin-like) domain.

Contains 1 Ig-like V-type (immunoglobulin-like) domain.

**SWISS:**

G3V671

**Gene ID:**

25408

**Database links:**

[Entrez Gene: 941](#)Human

[Entrez Gene: 12519](#)Mouse

[Omim: 112203](#)Human

[SwissProt: P33681](#)Human

[SwissProt: Q00609](#)Mouse

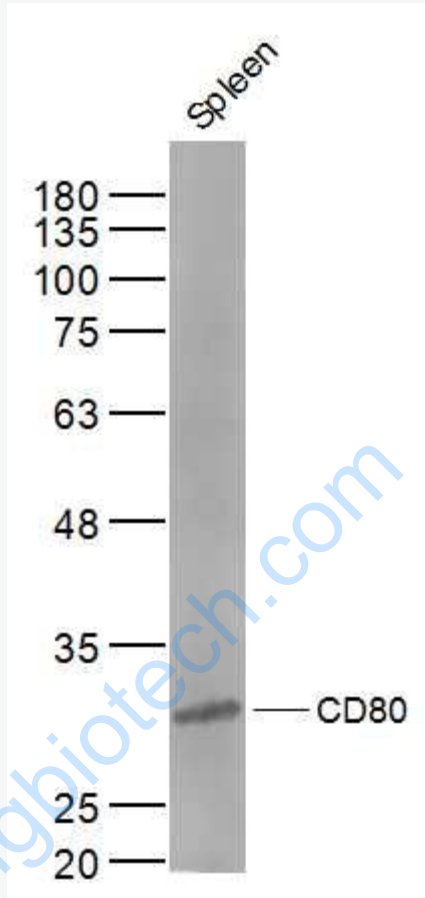
[Unigene: 838](#)Human

[Unigene: 89474](#)Mouse

**Important Note:**

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

Picture:



Sample:

Spleen (Mouse) Lysate at 40 ug

Primary: Anti-CD80 (SL2211R) at 1/500 dilution

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

Predicted band size: 30 kD

Observed band size: 30 kD