



Rabbit Anti-CD86 antibody

SL1035R

Product Name:	CD86
Chinese Name:	CD86抗体
Alias:	CD28LG2; FUN1; LAB72; Activation B7 2 antigen; Activation B7-2 antigen 3; CD86_HUMAN; Activation B7-2 antigen; Activation B72 antigen; B lymphocyte activation antigen B7 2; B lymphocyte activation antigen B72; B-lymphocyte activation antigen B7-2 2; B-lymphocyte activation antigen B7-2; B7 2; B7 2 antigen; B7; B7-2; B7.2; B70; B72 antigen; BU63; CD 86; CD28 antigen ligand 2 2; CD28 antigen ligand 2; Cd28l2; CD28LG2; CD86 antigen (CD28 antigen ligand 2, B7-2 antigen) 1, 2; CD86 antigen; CD86 molecule; CLS1; CTLA 4 counter receptor B7 2; CTLA 4 counter receptor B7.2; CTLA-4 counter-receptor B7.2 2, 3; CTLA4 counter receptor B72; Early T-cell costimulatory molecule 1; ETC-1; FUN 1; LAB72; Ly-58; Ly58; MB7; MB7-2; Membrane glycoprotein; MGC34413; T lymphocyte activation antigen CD86; T-lymphocyte activation antigen CD86; TS/A-2.
文献引用 PubMed	<p>Specific References(10) SL1035R has been referenced in 10 publications.</p> <p>[IF=0.00]Evans, Elizabeth E., et al. "Antibody blockade of semaphorin 4D promotes immune infiltration into tumor and enhances response to other immunomodulatory therapies." Cancer Immunology Research (2015): canimm-0171.IHC-P;Mouse. PubMed:25614511</p> <p>[IF=0.90]Zhou, Xi-Jin, et al. "Vasoactive Intestinal Peptide Promotes Immune Escape of MKN45 Cells by Inhibiting Antigen-Presenting Molecules of Dendritic Cells In Vitro." International Journal of Peptide Research and Therapeutics: 1-13.other; PubMed:not posted yet</p> <p>[IF=2.96]Xie, Juan, et al. "PICK1 confers anti-inflammatory effects in acute liver injury via suppressing M1 macrophage polarization." Biochimie (2016).WB;Mouse. PubMed:27157267</p>

[IF=1.55]Chen, Quan, et al. "Prevention of ultraviolet radiation?induced immunosuppression by sunscreen in Candida albicans?induced delayed?type hypersensitivity." Molecular Medicine Reports (2016).**WB;Mouse.**

[PubMed:27175551](#)

[IF=5.76]Das, Subhamoy, et al. "Syndesome Therapeutics for Enhancing Diabetic Wound Healing." Advanced Healthcare Materials (2016).**IHC-P;Mouse.**

[PubMed:27385307](#)

[IF=2.16]Ju, Huanyu, et al. "An effective cytokine adjuvant vaccine induces autologous T-cell response against colon cancer in an animal model." BMC immunology 17.1 (2016): 31.**IHC-P;Mouse.**

[PubMed:27669687](#)

[IF=1.58]Liang, Zhuoping, et al. "Role of dendritic cells in consistency between upper and lower airway inflammatory responses: animal experimental studies." Int J Clin Exp Pathol 9.10 (2016): 10093-10104.**IHC-P;Rat.**

[PubMed:0](#)

[IF=1.48]Zhang, Suxin, et al. "Variation and significance of secretory immunoglobulin A, interleukin 6 and dendritic cells in oral cancer." Oncology Letters.**IHC-P;Human.**

[PubMed:28454394](#)

[IF=3.15]Chen, Xionglin, et al. "Peptide-modified chitosan hydrogels promote skin wound healing by enhancing wound angiogenesis and inhibiting inflammation." Am J Transl Res 9.5 (2017): 2352-2362.**IHC-P;Mouse.**

[PubMed:28559985](#)

[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 & Clinical Cancer Research 36.1 (2017): 83.**WB;Human.**

[PubMed:28641579](#)

Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human, Mouse, Rat, Dog, Pig, Cow, Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=1µg/TestICC=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.
Molecular weight:	31kDa
Cellular localization:	The cell membrane

Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from the middle of human CD86:140-175/313<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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.
PubMed:	PubMed
Product Detail:	<p>This gene encodes a type I membrane protein that is a member of the immunoglobulin superfamily. This protein is expressed by antigen-presenting cells, and it is the ligand for two proteins at the cell surface of T cells, CD28 antigen and cytotoxic T-lymphocyte-associated protein 4. Binding of this protein with CD28 antigen is a costimulatory signal for activation of the T-cell. Binding of this protein with cytotoxic T-lymphocyte-associated protein 4 negatively regulates T-cell activation and diminishes the immune response. Alternative splicing results in several transcript variants encoding different isoforms.[provided by RefSeq, May 2011].</p> <p>Function: Receptor involved in the costimulatory signal essential for T-lymphocyte proliferation and interleukin-2 production, by binding CD28 or CTLA-4. May play a critical role in the early events of T-cell activation and costimulation of naive T-cells, such as deciding between immunity and anergy that is made by T-cells within 24 hours after activation. Isoform 2 interferes with the formation of CD86 clusters, and thus acts as a negative regulator of T-cell activation.</p> <p>Subunit: Homodimer. Interacts with MARCH8. Interacts with human herpesvirus 8 MIR2 protein (Probable). Interacts with adenovirus subgroup B fiber proteins and acts as a receptor for these viruses.</p> <p>Subcellular Location: Cell membrane; Single-pass type I membrane protein.</p> <p>Tissue Specificity: Expressed by activated B-lymphocytes and monocytes.</p> <p>Post-translational modifications: Polyubiquitinated; which is promoted by MARCH8 and results in endocytosis and lysosomal degradation.</p> <p>Similarity: Contains 1 Ig-like C2-type (immunoglobulin-like) domain.</p>

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

SWISS:
O35531

Gene ID:
942

Database links:

[Entrez Gene: 942](#) Human

[Entrez Gene: 56822](#) Rat

[Omim: 601020](#) Human

[SwissProt: P42081](#) Human

[Unigene: 171182](#) Human

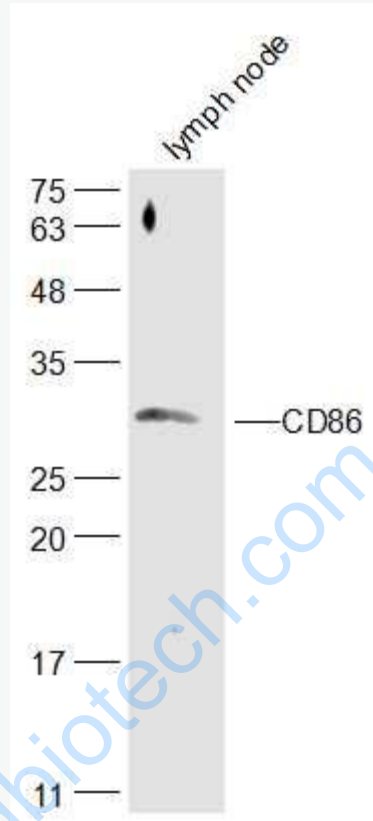
[Unigene: 229570](#) Rat

Important Note:

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

CD86是一个很要要的辅助刺激分子, CD86作为CD28的辅助刺激分子, 提供 T 细胞活化的辅助信号,它们之间的结合和随后介导的Signal transduction是 T 细胞和 APC 相互协作的重要分子基础。

Picture:



Sample:

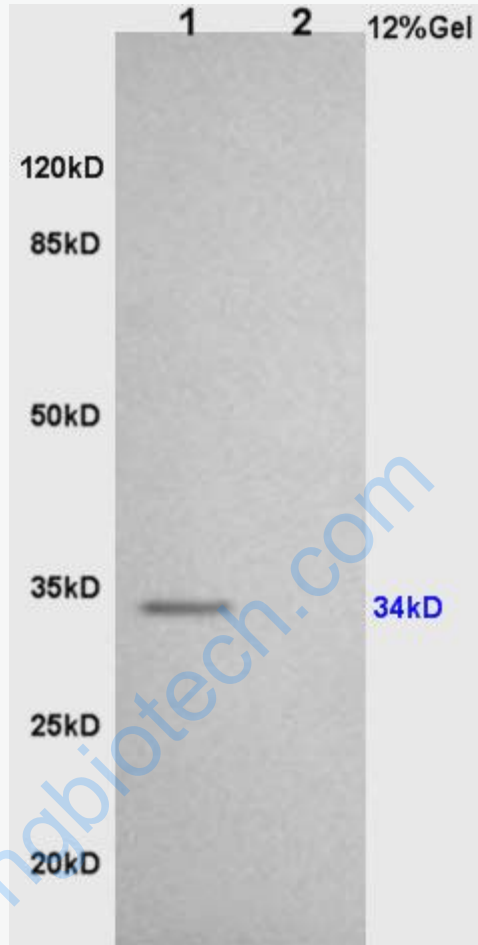
Lymph node(Mouse)Cell Lysate at 40 ug

Primary: Anti-CD86 (SL1035R) at 1/300 dilution

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

Predicted band size: 31 kD

Observed band size: 31 kD



Sample:

Brain(Rat) lysates at 30ug;

Heart(Rat) lysates, 30ug;

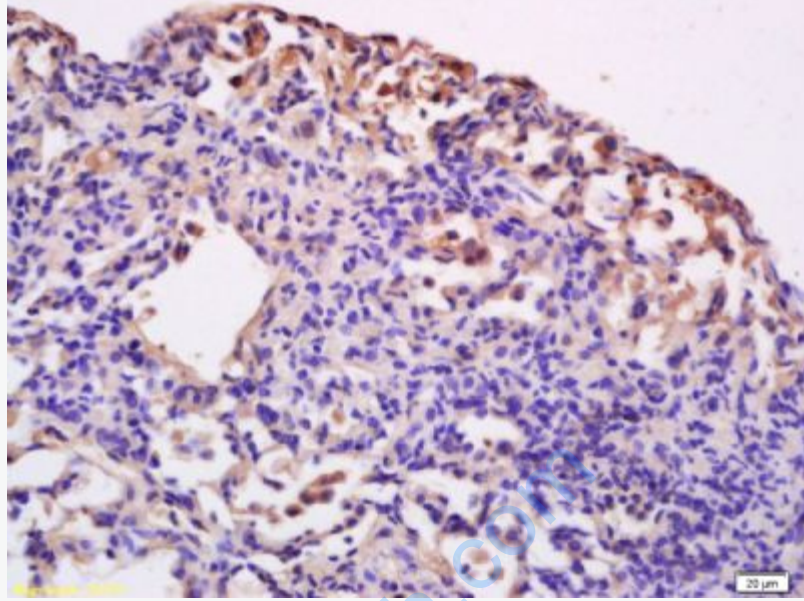
Primary: Anti-CD86/B7-2 (SL1035R) at 1:200;

Secondary: HRP conjugated Goat Anti-Rabbit IgG(SL1035R) at 1: 3000;

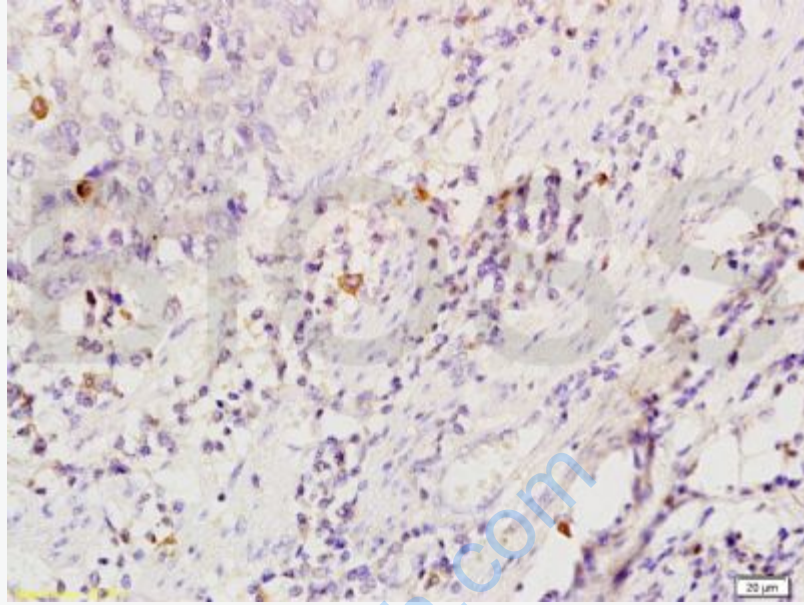
ECL excited the fluorescence;

Predicted band size : 34kD

Observed band size : 34kD



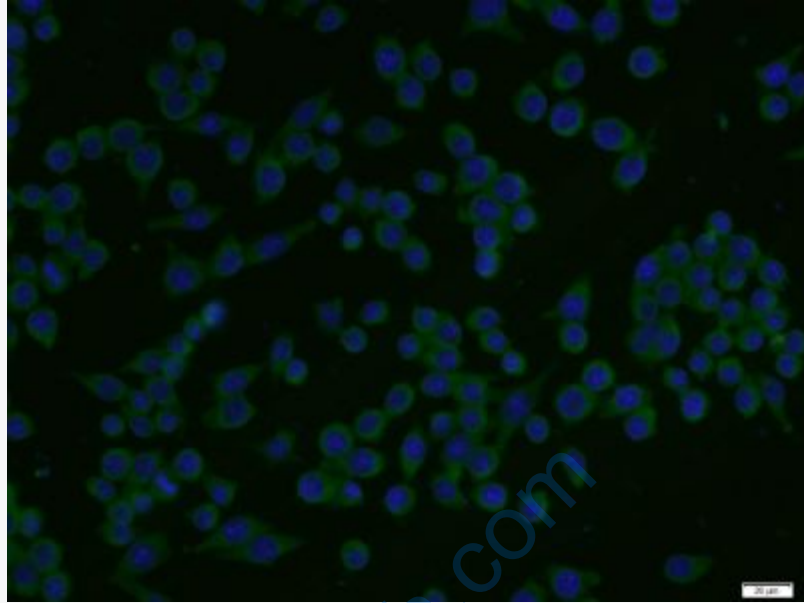
Tissue/cell: rat lung tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-CD86/B7-2 Polyclonal Antibody, Unconjugated(SL1035R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



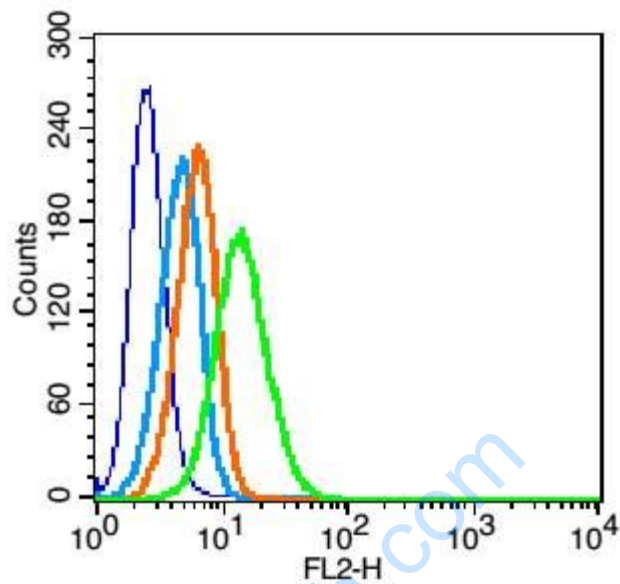
Tissue/cell: Human esophageal carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;

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-CD86/B7-2 Polyclonal Antibody, Unconjugated(SL1035R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: BV-2 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (CD86) Polyclonal Antibody, Unconjugated (SL1035R) 1:200, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody (SL1035R) at 37°C for 90 minutes, DAPI (5ug/ml, blue, C-0033) was used to stain the cell nuclei.



Blank control: U937(blue).

Primary Antibody: Rabbit Anti-CD86 antibody(SL1035R), Dilution: 1 μ g in 100 μ L
1X PBS containing 0.5% BSA;

Isotype Control Antibody: Rabbit IgG (orange) ,used under the same conditions.

Secondary Antibody: Goat anti-rabbit IgG-PE(white blue), Dilution: 1:200 in 1 X
PBS containing 0.5% BSA.

Protocol

The cells were fixed with 2% paraformaldehyde (10 min).Primary antibody (SL1035R) were incubated for 30 min on the ice, followed by 1 X PBS containing 0.5% BSA + 10% goat serum (15 min) to block non-specific protein-protein interactions. Then the Goat Anti-rabbit IgG/PE antibody was added into the blocking buffer mentioned above to react with the primary antibody at 1/200 dilution for 30 min on ice. Acquisition of 20,000 events was performed.