



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 B72 2; B7 2 antigen; B7; B7-2; B7.2; B70; B72 antigen; BU63; CD 86; CD28 antigen ligand 2 2; CD28 antigen ligand 2; Cd2812; 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; 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.

Research Area

immunology Microbiology Stem cells Cell Surface Molecule glycoprotein lymphocyte t-lymphocyte b-lymphocyte

Immunogen Species

Rabbit

Clonality

Polyclonal

React Species

Human Mouse Rat

Applications

WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,Flow-Cyt=1µg/Test,ICC/IF (Paraffin sections need antigen repair)
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight

31kDa

Detection molecular weight

72-74kDa

Cellular localization

The cell membrane

Form

Liquid

Concentration

immunogen

KLH conjugated synthetic peptide derived from the middle of rat CD86: 140-175/313 <Extracel



Lsotype	IgG
Purification	affinity purified by Protein A
Buffer Solution	Human,Mouse,Rat1M TBS(pH7.4) with 1% BSA, Human,Mouse,Rat3% Proclin300 and 50% G
Storage	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or d applications.
PubMed	PubMed This gene encodes a type I membrane protein that is a member of the immunoglobulin superfam protein is expressed by antigen-presenting cells, and it is the ligand for two proteins at the cell su cells, CD28 antigen and cytotoxic T-lymphocyte-associated protein 4. Binding of this protein wi antigen is a costimulatory signal for activation of the T-cell. Binding of this protein with cytotox T-lymphocyte-associated protein 4 negatively regulates T-cell activation and diminishes the imm response. Alternative splicing results in several transcript variants encoding different isoforms.[p RefSeq, May 2011].
Product Detail	Function: Receptor involved in the costimulatory signal essential for T-lymphocyte proliferation and interl production, by binding CD28 or CTLA-4. May play a critical role in the early events of T-cell act costimulation of naive T-cells, such as deciding between immunity and anergy that is made by T- 24 hours after activation. Isoform 2 interferes with the formation of CD86 clusters, and thus acts a regulator of T-cell activation.
	Subunit: Homodimer. Interacts with MARCH8. Interacts with human herpesvirus 8 MIR2 protein (Probab Interacts with adenovirus subgroup B fiber proteins and acts as a receptor for these viruses.
	Subcellular Location: Cell membrane; Single-pass type I membrane protein.
	Tissue Specificity: Expressed by activated B-lymphocytes and monocytes.
	Post-translational modifications: Polyubiquitinated; which is promoted by MARCH8 and results in endocytosis and lysosomal de
	Similarity: Contains 1 Ig-like C2-type (immunoglobulin-like) domain. Contains 1 Ig-like V-type (immunoglobulin-like) domain.
SWISS: O35531	

Gene ID:
56822

Database links:

[Entrez Gene: 942](#) Human

[Entrez Gene: 56822](#) Rat

[Omim: 601020](#) Human

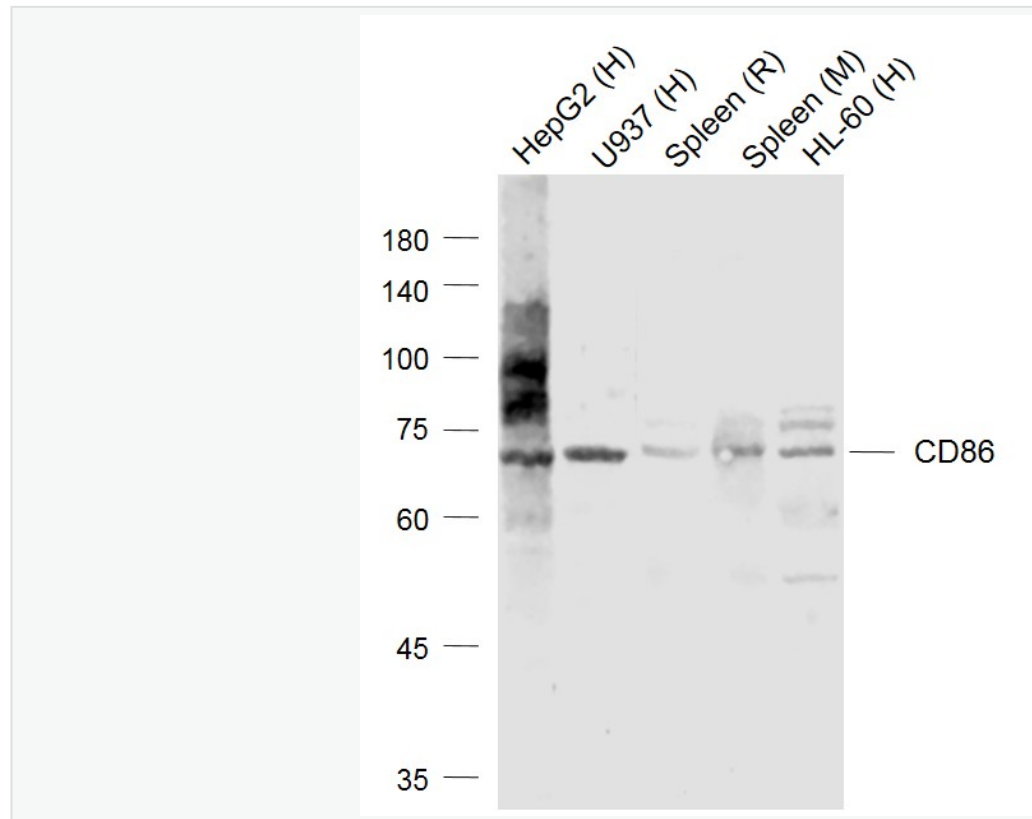
[SwissProt: P42081](#) Human

[Unigene: 171182](#) Human

[Unigene: 229570](#) Rat

CD86 是一个很重要的辅助刺激分子，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

**Product
Picture**



Sample:

Lane 1: HepG2 (Human) Cell Lysate at 30 ug

Lane 2: U937 (Human) Cell Lysate at 30 ug

Lane 3: Spleen (Rat) Lysate at 40 ug

Lane 4: Spleen (Mouse) Lysate at 40 ug

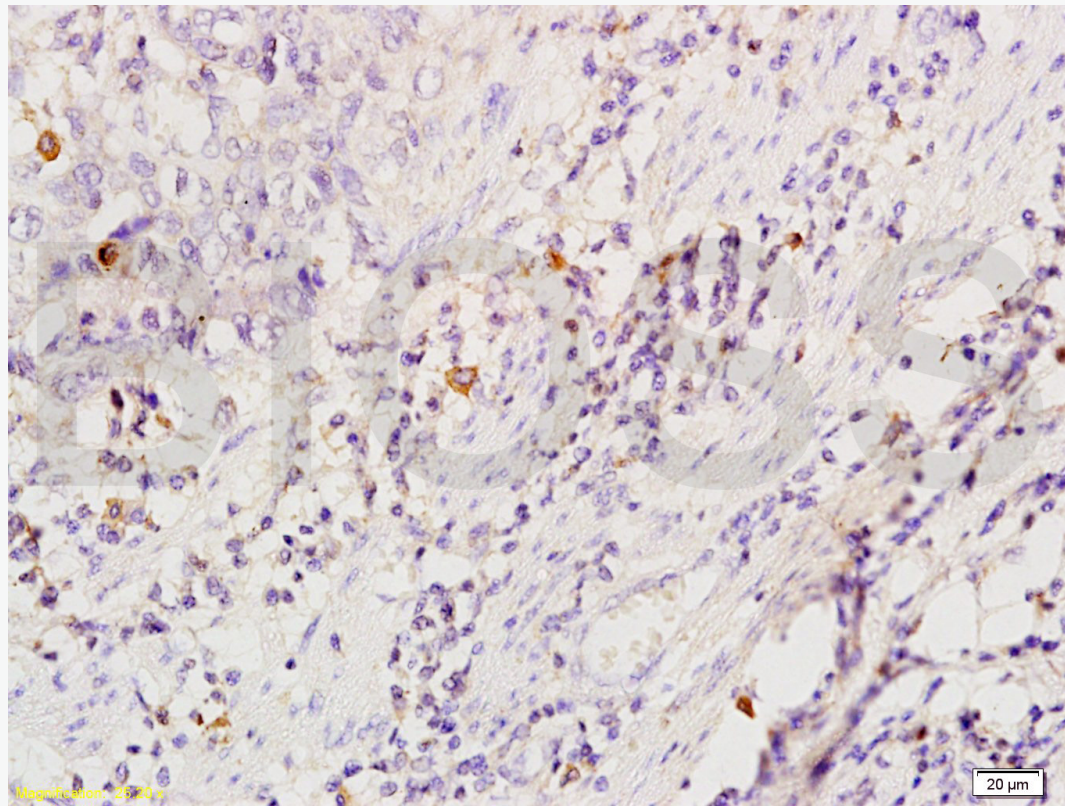
Lane 5: HL-60 (Human) Cell Lysate at 30 ug

Primary: Anti-CD86 (SL1035R) at 1/1000 dilution

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

Predicted band size: 72-74 kD

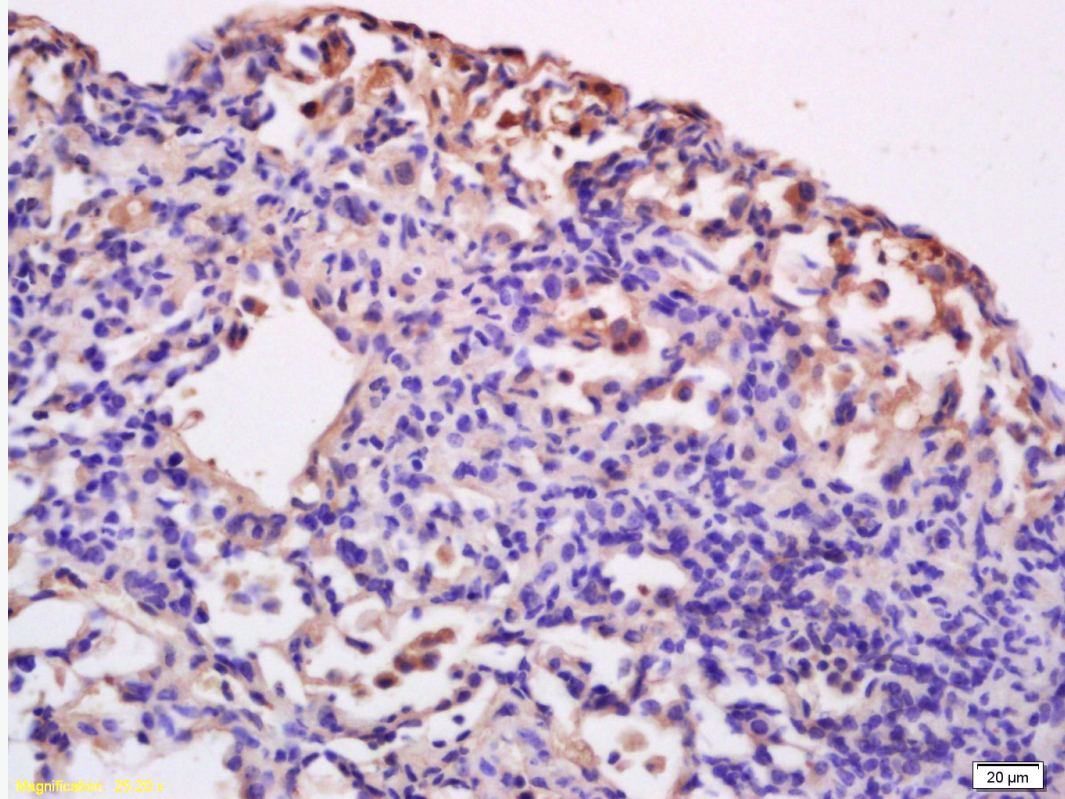
Observed band size: 72 kD



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

Antigen retrieval: citrate buffer (Human,Mouse,Rat1M, pH 6.0), Boiling bathing for 15min;
endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat
serum,C-0005) at 37°C for 20 min;

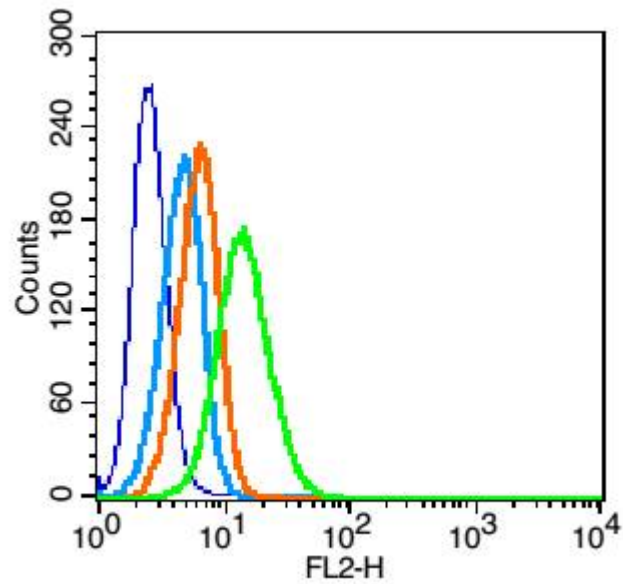
Incubation: Anti-CD86/B7-2 Polyclonal Antibody, Unconjugated(SL1035R) 1:200, overnight
followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: rat lung tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (Human,Mouse,Rat1M, pH 6.0), Boiling bathing for 15min;
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
followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



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, 1 μ g / 10⁶ cells) were incubated for 30 min on the ice, followed by 1 X PBS containing 0.5% BSA + 10% FCS 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.



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