



Rabbit Anti-PD-L1 antibody

SL1103R

Product Name:	PD-L1
Chinese Name:	程序性死亡配体1抗体
Alias:	CD274; B7 H; B7 H1; B7 homolog 1; B7-H1; B7H; B7H1; CD 274; CD274 antigen; CD274 molecule; MGC142294; MGC142296; OTTHUMP00000021029; PD L1; PD1L1_HUMAN; PD1L1_Mouse; PDCD1 ligand 1; PDCD1L1; PDCD1LG1; PDL 1; PDL1; Programmed cell death 1 ligand 1; Programmed death ligand 1; RGD1566211.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Mouse,Rat,
Applications:	WB=1:500-2000ELISA=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.
Molecular weight:	32kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from mouse B7-H1:201-290/290
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:	Programmed cell death 1 ligand 1(Programmed death ligand 1 ;PD-L1; PDCD1 ligand 1; B7 homolog 1; B7-H1; CD274) involved in the costimulatory signal, essential for T lymphocyte proliferation and production of IL10 and IFNG, in an IL2-dependent and a PDCD1-independent manner. Interaction with PDCD1 inhibit T-cell proliferation and

cytokine production.

Function:

Involved in the costimulatory signal, essential for T-cell proliferation and production of IL10 and IFNG, in an IL2-dependent and a PDCD1-independent manner. Interaction with PDCD1 inhibits T-cell proliferation and cytokine production.

Subunit:

Interacts with PDCD1.

Subcellular Location:

Isoform 1: Cell membrane; Single-pass type I membrane protein. Isoform 2: Endomembrane system; Single-pass type I membrane protein.

Tissue Specificity:

Highly expressed in the heart, skeletal muscle, placenta and lung. Weakly expressed in the thymus, spleen, kidney and liver. Expressed on activated T- and B-cells, dendritic cells, keratinocytes and monocytes.

Similarity:

Belongs to the immunoglobulin superfamily. BTN/MOG family.
Contains 1 Ig-like C2-type (immunoglobulin-like) domain.
Contains 1 Ig-like V-type (immunoglobulin-like) domain.

SWISS:

Q9EP73

Gene ID:

60533

Database links:

[Entrez Gene: 29126](#) Human

[Entrez Gene: 60533](#) Mouse

[Entrez Gene: 499342](#) Rat

[Omim: 605402](#) Human

[SwissProt: Q9NZQ7](#) Human

[SwissProt: Q9EP73](#) Mouse

[Unigene: 521989](#) Human

[Unigene: 245363](#) Mouse

[Unigene: 228198](#) Rat

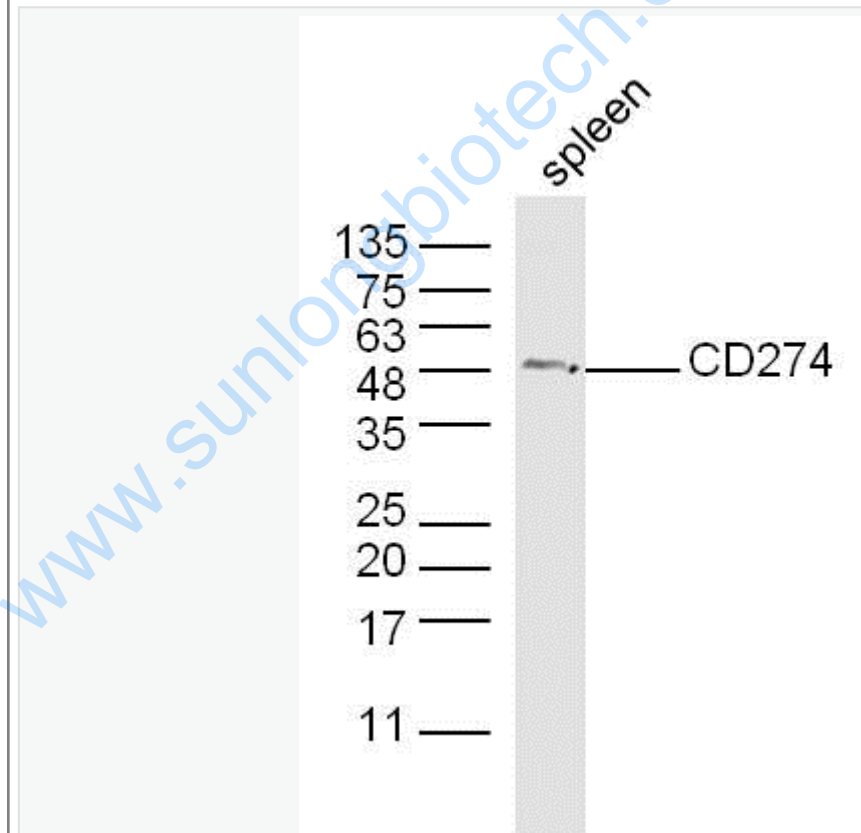
Important Note:

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

程序性死亡配体1 (B7-H1) 可以促进epithelial cells的恶性转化,保护表皮细胞免于失巢凋亡,在Tumour的发生,进展和转归中发挥重要作用.

目前对CD274信号通路的进一步的研究必将为自身免疫性疾病、病毒感染性疾病和器官移植后排斥反应中T细胞介导的免疫应答调控提供了新的途径.B7-H1在癌症、类风湿、HIV感染等疾病中发现B7-H1有负调节作用。对B7-H1路径进行调控有助于自身免疫病及恶性Tumour的治疗。

Picture:



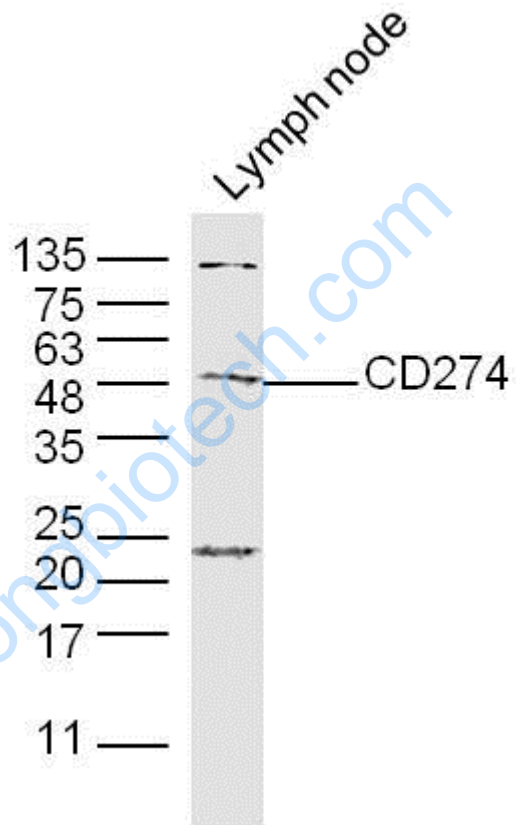
Sample: Spleen (Mouse) Lysate at 40 ug

Primary: Anti- CD274 (SL1103R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/10000 dilution

Predicted band size: 32 kD

Observed band size: 48 kD



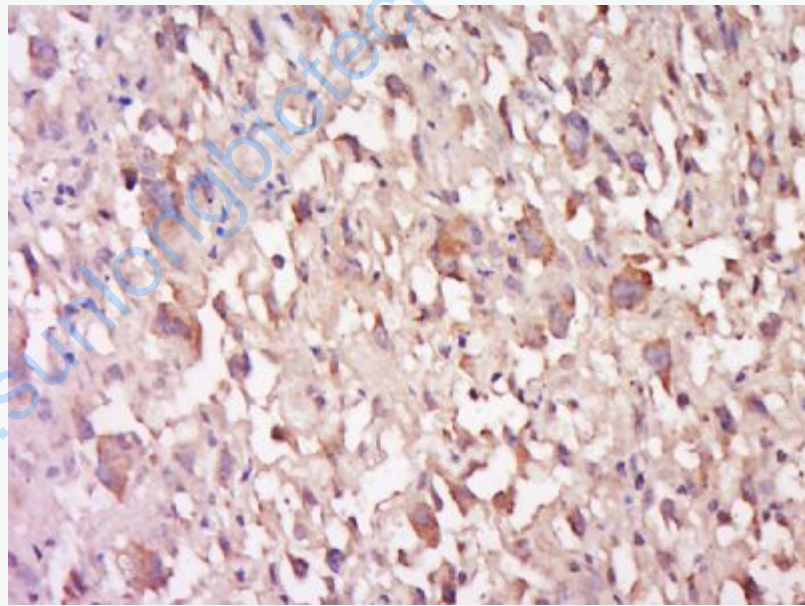
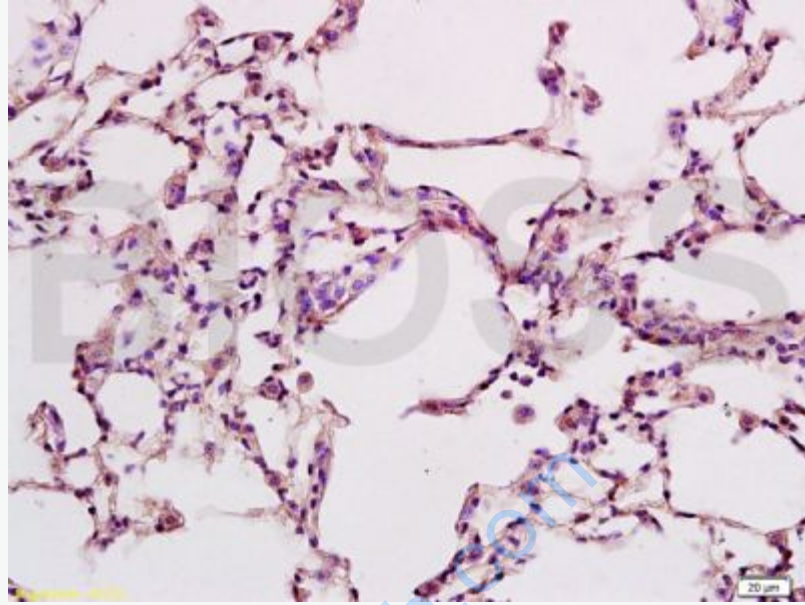
Sample: Lymph node (Mouse) Lysate at 40 ug

Primary: Anti- CD274 (SL1103R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/10000 dilution

Predicted band size: 32 kD

Observed band size: 48 kD



Tissue/cell: Mouse placenta 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-CD274 Polyclonal Antibody, Unconjugated(SL1103R) 1:500,

	overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining
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