



Rabbit Anti-B7-DC antibody

SL1868R

Product Name:	B7-DC
Chinese Name:	程序性死亡配体2抗体
Alias:	PD L2; B7 dendritic cell molecule; B7-DC; B7DC; bA574F11.2; Btdc; Butyrophilin B7 DC; Butyrophilin B7-DC; Butyrophilin B7DC; CD 273; CD273; CD273 antigen; MGC142238; MGC142240; PD 1 ligand 2; PD-1 ligand 2; PD-L2; PD1 ligand 2; PD1L2_HUMAN; PDCD 1 ligand 2; PDCD1 ligand 2; PDCD1L2; Pcd1lg2; PDL 2; PDL2; Programmed cell death 1 ligand 2; Programmed death ligand 2.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Cow,
Applications:	ELISA=1:500-1000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	29kDa
Cellular localization:	The cell membraneSecretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human B7-DC:41-150/273
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:	B7DC is a 33kDa member of the immunoglobulin receptor superfamily expressed on DC, liver and a small subset of macrophages as well as a few transformed cell lines. B7DC has been reported to be stimulatory on dendritic cells when cross linked and to inhibit T cell activation upon engaging the PD1 receptor. B7DC has also been reported

to bind to an alternative receptor and to mediate T cell activation through non PD1 mediated interactions.

Function:

Involved in the costimulatory signal, essential for T-cell proliferation and IFNG production in a PDCD1-independent manner. Interaction with PDCD1 inhibits T-cell proliferation by blocking cell cycle progression and cytokine production (By similarity).

Subunit:

Interacts with PDCD1.

Subcellular Location:

Isoform 3: Secreted (Probable).

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

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

Tissue Specificity:

Highly expressed in heart, placenta, pancreas, lung and liver and weakly expressed in spleen, lymph nodes and thymus.

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:

Q9BQ51

Gene ID:

80380

Database links:

[Entrez Gene: 80380](#)Human

[Omin: 605723](#)Human

[SwissProt: Q9BQ51](#)Human

[Unigene: 532279](#)Human

[Unigene: 617872](#)Human

Important Note:

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

	结合受体PD-1 (CD279), 抑制T细胞增殖和cell factor产生
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