

Recombinant Human CD274

Cat. No. CD274-27112TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD274 Protein fragment (141-240aa), was expressed in Wheat Germ with proprietary tag (molecular weight: 36.63kDa inclusive of tag).
Species	Human
Source	Wheat Germ
ProteinLength	141-240 aa
Description	Programmed cell death 1 ligand 1 (PD-L1) also known as cluster of differentiation (CD274) or B7 homolog 1 (B7-H1) is a protein that in humans is encoded by the CD274 gene.
Molecular Weight	36.630kDa inclusive of tags
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.
Biological activity	This product is useful for Antibody Production and Protein Array
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.31% GlutathioneNote: Glutathione is reduced.
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	ILVVDPTSEHELTCAEGYPKAEVIWTSSDHQVLSGKTTTTNSKREEKLFNVTSTLR INTTTNEIFYCTFRRLDPEENHTAELVIPELPLAHPNERTH
Sequence Similarities	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.

GENE INFORMATION

Gene Name	CD274 CD274 molecule [Homo sapiens]
Official Symbol	CD274
Synonyms	CD274; CD274 molecule; CD274 antigen , PDCD1LG1, programmed cell death 1 ligand 1; programmed cell death 1 ligand 1; B7 homolog 1; B7 H; B7 H1; B7H1; PDL1; PDL1;
Gene ID	29126
mRNA Refseq	NM_014143
Protein Refseq	NP_054862
MIM	605402

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Uniprot ID	Q9NZQ7
Chromosome Location	9p24.1
Pathway	Adaptive Immune System, organism-specific biosystem; Cell adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem; Costimulation by the CD28 family, organism-specific biosystem; Immune System, organism-specific biosystem;
Function	protein binding; protein tyrosine phosphatase activity; receptor activity;

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