Biotinylated Recombinant Human CD274 Protein, ECD

Cat. No. CD274-208H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PD-L1 (B7-H1) Protein, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	ECD
Description	This gene encodes an immune inhibitory receptor ligand that is expressed by hematopoietic and non-hematopoietic cells, such as T cells and B cells and various types of tumor cells. The encoded protein is a type I transmembrane protein that has immunoglobulin V-like and C-like domains. Interaction of this ligand with its receptor inhibits T-cell activation and cytokine production. During infection or inflammation of normal tissue, this interaction is important for preventing autoimmunity by maintaining homeostasis of the immune response. In tumor microenvironments, this interaction provides an immune escape for tumor cells through cytotoxic T-cell inactivation. Expression of this gene in tumor cells is considered to be prognostic in many types of human malignancies, including colon cancer and renal cell carcinoma. Alternative splicing results in multiple transcript variants.
Conjugation/Label	Biotin
Form	Lyophilised
Endotoxin	Endotoxin level was found to be less than 0.1 ng/μg (1 EU/μg).

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Applications	ELISA, WB
Notes	FOR RESEARCH USE ONLY (RUO).
Storage	Recombinant B7-H1 can be stored in working aliquots at 2 to 8 centigrade for one month, or at -20 to -70 centigrade for 1 year. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilised from 0.2 μm filtered PBS solution, pH 7.2, 5% Trehalose.
Reconstitution	Upon receipt a quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL.
Conjugation	Biotin

GENE INFORMATION

Gene Name	CD274 CD274 molecule [Homo sapiens (human)]
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; PD L1; PDL1; CD274 antigen; PDCD1 ligand 1; programmed death ligand 1; B7-H; PD-L1; PDCD1L1; PDCD1LG1; MGC142294; MGC142296;
Gene ID	29126
mRNA Refseq	NM_014143
Protein Refseq	NP_054862

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MIM	605402
UniProt ID	Q9NZQ7

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