

Recombinant Human CD274 Protein, DDK-tagged

Cat. No. CD274-173H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human CD274 Protein transcript variant 1 (19-238aa, Met-Phe start), was expressed in Insect cells with C-terminal DDK tag.

Species Human

Source Insect Cells

ProteinLength 19-238 aa

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.

Form 50mM Tris-HCl, pH8.0, 100mM glycine, 10% glycerol.

Molecular Mass 25.2 kDa

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Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Concentration >50 ug/mL as determined by microplate BCA method

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; 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

MIM 605402

UniProt ID Q9NZQ7

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