Recombinant Human CD274 Protein (His Tag)

RPES8309

Product Information

Product SKU:	RPES8309	**Expression Host**:	Mammalian	**Size**:	20µg
Tag:	C-His	**Reactivity**:	Human	**Accession**:	Q9NZQ7

Additional Information

Calculated MW:	26.1 kDa	**Observed MW:**	35-40 kDa
Sequence:	Met1-Thr239		

Protein Information

Background: Programmed cell death ligand 1(CD274,or B7-H1,PD-L1),is the first member of B7 family to be discovered. B7 family molecules are type I transmembrane proteins belonging to the immunoglobulin superfamily. In concert with an their CD28 family receptors,the B7s are key regulators of the adaptive immune response. CD274 is suggested a negative regulator of T and B cell,and play important role in mediating tolerance of lymphocytes to self-antigens. It also 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. PD-L1 is a 290 aa transmembrane protein with an a calculated molecular weight of 33 kDa,the apparent molecular weight has been reported as 45-70 kDa,suggesting probable glycosylation .

Synonyms: B7 H, B7 H1, B7 homolog 1, B7-H1, B7H, B7H1, CD 274, CD274, CD274 antigen, CD274 molecule, MGC142294, MGC142296, OTTHUMP00000021029, PD L1, PD-L1, PD1L1, PDCD1 ligand 1, PDCD1L1, PDCD1LG1, PDL 1, PDL1, Programmed cell death 1 ligand 1, Programmed death ligand 1, RGD1566211

Endotoxin: < 1.0 EU/mg of the protein as determined by the LAL method

Formulation: Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.

Purity: > 90% as determined by reducing SDS-PAGE.

Bio-Activity: Not validated for activity

Contact Details | Dublin, Ireland
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Storage: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

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