



CD273 [PD-L2] Recombinant Protein

Cat. No.: 90-427




Ψ Specifications

SPECIES:	Human
SOURCE SPECIES:	CHO cells
SEQUENCE:	The extracellular domain of human CD273 [PD-L2] (aa 20-219) is fused to the N-terminus of the Fc region of mouse IgG2a.
FUSION TAG:	Fc Tag
TESTED APPLICATIONS:	
APPLICATIONS:	This recombinant proteins is for research use only.

Ψ Properties

PURITY:	>98% (SDS-PAGE). Endotoxin level is less than 0.06EU/ µg protein (LAL test; Lonza).
PHYSICAL STATE:	Lyophilized
BUFFER:	Lyophilized from 0.2µm-filtered solution in PBS. Reconstitute with 100 µl sterile water. Add 1X PBS to the desired protein concentration.
STORAGE CONDITIONS:	Stable for at least 1 year after receipt when stored at -20 °C. Working aliquots are stable for up to 3 months when stored at -20 °C.

OFFICIAL SYMBOL:	PDCD1LG2
ALTERNATE NAMES:	Programmed Cell Death 1 Ligand 2, PDCD1 Ligand 2, B7-CD, PDL2
ACCESSION NO.:	NP_079515
PROTEIN GI NO.:	190014605
GENE ID:	80380

 Background and References

BACKGROUND:	<p>T cells require a signal induced by the engagement of the T cell receptor and a costimulatory signal(s) through distinct T cell surface molecules for optimal T cell activation and tolerance. CD273 (PD-L2) is one of two ligands for programmed death-1 (PD-1; CD279), a member of the CD28 family of immunoreceptors. The other identified ligand is PD-L1. CD273 is broadly expressed and also up regulated in a variety of tumor cell lines. On previously activated T cells, CD273 interaction with PD-1 inhibits TCR mediated proliferation and cytokine production, suggesting an inhibitory role in regulating immune responses. CD273 has a costimulatory function on resting T cells activated with suboptimal TCR signals.</p>
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