



<b>Altername:</b>	Programmed cell death 1 ligand 1Cd274; programmed cell death 1 ligand 1;PD-L1;PDCD1 ligand 1;programmed death ligand 1;B7 homolog 1;B7-H1;CD274
<b>Storage/Stability:</b>	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Background:</b>	Mouse Programmed cell death 1 ligand 1(Cd274, PD-L1), is a member of the growing B7 family of immune proteins. It is involved in the costimulatory signal essential for T-cell proliferation and IFNG production in a PDCD1-independent manner. Interaction with PDCD1 inhibits T-cell proliferation by blocking cell cycle progression and cytokine production. B7-H1 has been identified as one of two ligands for programmed death1 (PD1), a member of the CD28 family of immunoreceptors. B7-H1 is constitutively expressed in several organs such as heart, skeletal muscle. B7-H1 expression is upregulated in a small fraction of activated T and B cells and a much larger fraction of activated monocytes. The costimulatory function of B7-H1 is critical for enhancing maturation and differentiation of T-cells in lymphoid organs. B7-H1 expression is also induced in dendritic cells and keratinocytes after IFN gamma stimulation. Interaction of B7-H1 with PD1 results in inhibition of TCR-mediated proliferation and cytokine production. The B7-H1:PD1 pathway is involved in the

	negative regulation of some immune responses and may play an important role in the regulation of peripheral tolerance.
<b>Species:</b>	Mouse
<b>Reconstitution:</b>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH <sub>2</sub> O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
<b>Endotoxin:</b>	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.
<b>Purity:</b>	Greater than 95% as determined by reducing SDS-PAGE.
<b>Description:</b>	Recombinant Mouse Programmed Cell Death 1 Ligand 1 is produced by our Mammalian expression system and the target gene encoding Phe19-Thr238 is expressed with a 6His tag at the C-terminus.
<b>Product State:</b>	Lyophilized
<b>Ship Description:</b>	The product is shipped at ambient temperature.
<b>Formulation:</b>	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
<b>Expression system:</b>	Human cells