

RP00655

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Recombinant Mouse PD-L1/B7-H1/CD274 Protein

Catalog No.: RP00655

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	60533	Q9EP73

Tags

C-6×His

Synonyms

PD-; B7h1; Pdl1; Pdcd1l; Pdcd1l1; Pdcd1lg1; A530045L16Rik;CD274

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.2 μM filtered solution of 20mM PB, 150mM NaCl, pH 7.4Contact us for customized product form or formulation.

Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in 1X PBS.

Background

Mouse Programmed cell death 1 ligand 1(Cd274 PD-L1), is a member of the growing B7 family of immuneproteins.It involved in the costimulatory signal essential for T-cell proliferation and IFNG production in aPDCD1-independent manner. Interaction with PDCD1 inhibits T-cell proliferation by blocking cell cycleprogression 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 organssuch as heart, skeletal muscle B7-H1 expression is upregulated in a small fraction of activated T and B cells anda much larger fraction of activated monocytes. The costimulatory function of B7-H1 is critical for enhancingmaturation and differentiation of T-cells in lymphoid organs.B7-H1 expression is also induced in dendritic cellsand 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 regulationof some immune responses and may play an important role in the regulation of peripheral tolerance.

Basic Information

Description

Recombinant Mouse PD-L1/B7-H1/CD274 Protein is produced by Human cells expression system. The target protein is expressed with sequence (Phe19-Thr238) of mouse PD-L1/B7-H1/CD274 (Accession #Q9EP73) fused with a 6×His tag at the C-terminus.

Bio-Activity

Storage

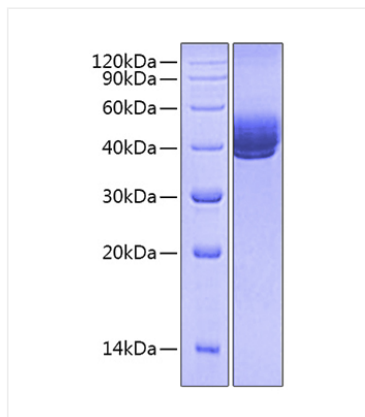
Store the lyophilized protein at -20°C to -80 °C for long term.
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact



www.abclonal.com

Validation Data



Recombinant Mouse PD-L1/B7-H1/CD274
Protein was determined by SDS-PAGE under
reducing conditions with Coomassie Blue.