

PD-L1 Protein (Primary Amine Labeling), Cynomolgus/Rhesus macaque, Recombinant (His),

General Information

Synonyms: PDCD1LG1;B7-H1;B7H1;CD274;B7-H;PDCD1L1;PD-L1B7 homolog 1;PDL1;PD-L1

Protein Construction: Phe19-Arg238

Species: Cynomolgus,Rhesus

Expression Host: HEK293 Cells

Accession: G7PSE7

Molecular Weight: 26 kDa (predicted). Due to glycosylation, the protein migrates to 35-40 kDa based on Tris-Bis PAGE result.

QC Testing

Biological Activity: Immobilized Biotinylated Cynomolgus/Rhesus macaque PD-L1, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-PD-L1 Antibody, hFc Tag with the EC50 of 4.0ng/ml determined by ELISA.

Purity: > 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC

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

Formulation: Supplied as 0.22 µm filtered solution in PBS (pH 7.4).

Preparation and Storage

Stability & Storage:

It is recommended to store the product under sterile conditions at -70°C or lower. Samples are stable for up to 12 months at -80°C. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein Background

B7-H1, also known as PD-L1 and CD274, is an approximately 65 kDa transmembrane glycoprotein in the B7 family of immune regulatory molecules. PD-L1 has been identified as the ligand for the immunoinhibitory receptor programmed death-1(PD1/PDCD1) and has been demonstrated to play a role in the regulation of immune responses and peripheral tolerance.

Reference

Blank C , Mackensen A. Contribution of the PD-L1/PD-1 pathway to T-cell exhaustion: an update on implications for chronic infections and tumor evasion[J]. Cancer Immunology Immunotherapy, 2007, 56(5):739-745.

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