nSJ BIOREAGENTS

Programmed death ligand 1 Antibody / Pd-l1 / B7-h1 / Cd274 (RQ6346)

Catalog No.	Formulation	Size
RQ6346	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9EP73
Applications	Western Blot : 0.5-1ug/ml Direct ELISA : 0.1-0.5ug/ml
Limitations	This Programmed death ligand 1 antibody is available for research use only.
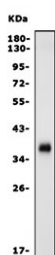
Western blot testing of mouse thymus with Programmed death ligand 1 antibody. Predicted molecular weight: 34-70 kDa depending on glycosylation level.

Description

Programmed death-ligand 1 (PD-L1), also known as CD274 or B7-H1, is a protein that in humans is encoded by the CD274 gene. It is mapped to 9p24.1. PD-L1 is a 40kDa type 1 transmembrane protein that has been speculated to play a major role in suppressing the immune system during particular events such as pregnancy, tissue allografts, autoimmune disease and other disease states such as hepatitis. It has been concluded that upregulation of PD-L1 on tumor MDCs downregulates T-cell immunity and that PD-L1 blockade may represent an approach for cancer immunotherapy. Additionally, PD-L1 can provide positive costimulatory signals for innate and adaptive immunity and for protection against intracellular bacterial infection. Whatİ¿Â½s more, it has been found that PD1/PDL1 pathway may be a good target for

restoring antitumor immunity in ovarian cancer.

Application Notes
Optimal dilution of the Programmed death ligand 1 antibody should be determined by the researcher.

Immunogen
Recombinant mouse protein (amino acids E45-H239) was used as the immunogen for the Programmed death ligand 1 antibody.

Storage
After reconstitution, the Programmed death ligand 1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.