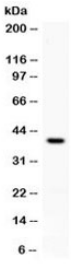
PD-L1 Antibody (R32479)

Catalog No.	Formulation	Size
R32479	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	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	Q9EP73
Applications	Western Blot : 0.1-0.5ug/ml ELISA : 0.1-0.5ug/ml (mouse protein tested); request BSA-free format for coating
Limitations	This PD-L1 antibody is available for research use only.



Western blot testing of mouse brain lysate with PD-L1 antibody at 0.5ug/ml. Expected molecular weight ~34/40-70 kDa (unmodified/glycosylated), observed here at 40 kDa.

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. WhatÂ's 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 PD-L1 antibody should be determined by the researcher.

Immunogen

Amino acids F19-T238 from the mouse protein were used as the immunogen for the PD-L1 antibody.

Storage

Prior to reconstitution, store at 4oC. After reconstitution, the PD-L1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.