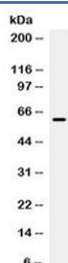


B7-H1 Antibody / PD-L1 (R32579)

Catalog No.	Formulation	Size
R32579	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human
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	Q9NZQ7
Localization	Cytoplasmic, membranous
Applications	Western Blot : 0.5-1ug/ml
Limitations	This B7-H1 antibody is available for research use only.



Western blot testing of human HeLa cell lysate with PD-L1 / B7-H1 antibody at 0.5ug/ml. Expected molecular weight ~34/40-70 kDa (unmodified/glycosylated), observed here at ~62 kDa.

Description

B7 Homolog 1 (B7-H1), also known as CD274 or PD-L1, is a protein that in humans is encoded by the CD274 gene. It is mapped to 9p24.1. B7-H1 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 B7-H1 on tumor MDCs downregulates T-cell immunity and that B7-H1 blockade may represent an approach for cancer immunotherapy. Additionally, B7-H1 can

provide positive costimulatory signals for innate and adaptive immunity and for protection against intracellular bacterial infection.

Application Notes

Optimal dilution of the B7-H1 antibody should be determined by the researcher.

Immunogen

Amino acids 41-69 (KFPVEKQLDLAALIVYWEMEDKNIIQFVH-human) were used as the immunogen for the B7-H1 antibody.

Storage

After reconstitution, the B7-H1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.