

For Research Use Only

PD-L1/CD274 Recombinant antibody



Catalog Number: 82719-15-RR

Basic Information

Catalog Number: 82719-15-RR	GenBank Accession Number: BC074984	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 29126	CloneNo.: 2H4
Source: Rabbit	Full Name: CD274 molecule	Recommended Dilutions: WB 1:1000-1:4000
Isotype: IgG	Calculated MW: 290 aa, 33 kDa	
Immunogen Catalog Number: AG12432	Observed MW: 50 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : MDA-MB-231 cells, U-87 MG cells, human placenta tissue
Species Specificity: Human	

Background Information

Programmed cell death ligand 1 (PD-L1, CD274, or B7-H1), is the first member of B7 family to be discovered. B7 family molecules are type I transmembrane proteins belonging to the immunoglobulin superfamily. In concert with their CD28 family receptors, the B7s are key regulators of the adaptive immune response. PD-L1 is suggested as a negative regulator of T and B cell, and plays important role in mediating tolerance of lymphocytes to self-antigens. It is also involved in the costimulatory signal, essential for T-cell proliferation and production of IL10 and IFNG, in an IL2-dependent and a PD-1-independent manner. PD-L1 is a 290 aa transmembrane protein with a calculated molecular weight of 33 kDa, it is predicted to be 27-30 kDa after signal peptide cleavage (PMID: 25609200; 17076679). The apparent molecular weight has also been reported as 45-70 kDa, major glycosylated form of 45-50 kDa and multiple post-translational modifications form of 65-70 kDa (PMID: 18760278; 16493058).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

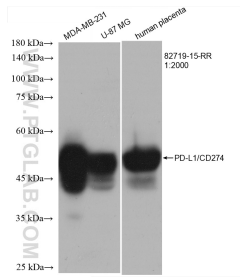
For technical support and original validation data for this product please contact:

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82719-15-RR (PD-L1/CD274 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.