

CD274 antibody

Product Information

Catalog No.:	FNab06280
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

Background

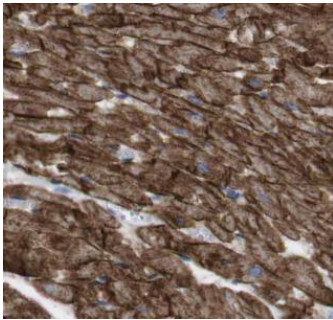
Programmed cell death ligand 1(CD274, or B7-H1, PD-L1), is the first member of B7 family to be discovered. B7 family molecules are type I transmembrane proteins belonging to the immunoglobulin superfamily. In concert with their CD28 family receptors, the B7s are key regulators of the adaptive immune response. CD274 is suggested a negative regulator of T and B cell, and play important role in mediating tolerance of lymphocytes to self-antigens. It also involved in the costimulatory signal, essential for T-cell proliferation and production of IL10 and IFNG, in an IL2-dependent and a PDCD1-independent manner. PD-L1 is a 290 aa transmembrane protein with a calculated molecular weight of 33 kDa, the apparent molecular weight has been reported as 45-70 kDa, suggesting probable glycosylation(PMID: 18760278; 16493058).?

Immunogen information

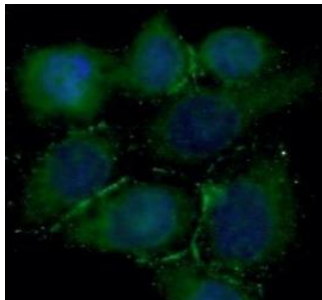
Immunogen:	CD274 molecule
Synonyms:	Programmed cell death 1 ligand 1 (PD-L1, PDCD1 ligand 1, Programmed death ligand 1, hPD-L1) B7 homolog 1 (B7-H1) CD274 B7H1 PDCD1L1 PDCD1LG1 PDL1
Observed MW:	50 kDa, 70 kDa
Uniprot ID :	Q9NZQ7

Application

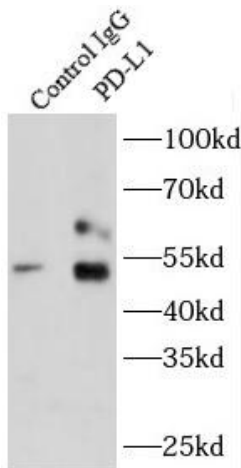
Reactivity:	Human, Mouse, Rat
Tested Application:	ELISA, WB, IF, IHC, IP, FC
Recommended dilution:	WB: 1:200-1:1000; IP: 1:500-1:2000; IHC: 1:20-1:200; IF: 1:10-1:100
Image:	



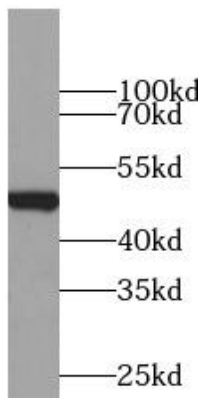
Immunohistochemistry of paraffin-embedded mouse heart tissue slide using FNab06280(PD-L1/CD274 Antibody) at dilution of 1:50



Immunofluorescent analysis of HEK-293 cells using FNab06280 (PD-L1/CD274 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L)



IP Result of anti-PD-L1/CD274 (IP:FNab06280, 4ug; Detection:FNab06280 1:1000) with mouse heart tissue lysate 4000ug.



mouse heart tissue were subjected to SDS PAGE followed by western blot with FNab06280(PD-L1/CD274 Antibody) at dilution of 1:300