

CD274 antibody

Product Information

Catalog No.:	FNab06281
Size:	100µg
Form:	liquid
Purification:	Protein A+G purification
Purity:	≥95% as determined by SDS-PAGE
Host:	Mouse
Clonality:	monoclonal
Clone ID:	6C11
IsoType:	IgG1
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:	None
Uniprot ID :	Q9NZQ7

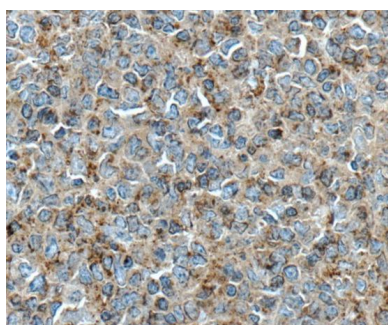
Application

Reactivity: Human, Mouse, Pig

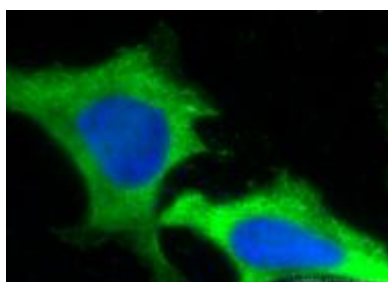
Tested Application: ELISA, WB, IHC, IF

Recommended dilution: WB: 1:500-1:5000; IHC: 1:100-1:500; IF: 1:50-1:500

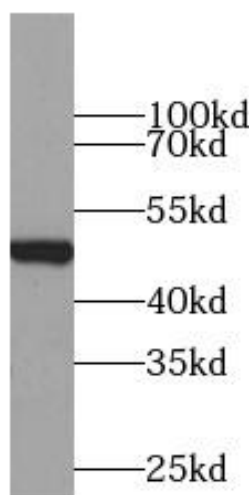
Image:



Immunohistochemistry of paraffin-embedded human tonsillitis tissue slide using FNab06281(PD-L1/CD274 Antibody) at dilution of 1:50. heat mediated antigen retrieved with Tris-EDTA buffer(pH9).



Immunofluorescent analysis of (10% Formaldehyde) fixed HeLa cells using FNab06281 (PD-L1/CD274 Antibody) at dilution of 1:300 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L)



human skeletal muscle tissue were subjected to SDS PAGE followed by western blot with FNab06281(PD-L1/CD274 Antibody) at dilution of 1:1000