

À des fins de recherche uniquement

Anticorps Monoclonal anti-PD-L1/CD274



Numéro de catalogue: 66248-1-Ig

Phare

213 Publications

Informations de base

Numéro de catalogue:

66248-1-Ig

Numéro d'acquisition GenBank:

BC074984

Méthode de purification:

Purification par protéine G

Taille:

150ul, Concentration: 2000 µg/ml by Nanodrop and 908 µg/ml by Bradford method using BSA as the standard;

Identification du gène (NCBI):

29126

CloneNo.:

2B11D11

Hôte:

Mouse

Nom complet:

CD274 molecule

Dilutions recommandées:

WB 1:2000-1:10000

IHC 1:5000-1:20000

IF 1:50-1:500

Isotype:

IgG1

MW calculé:

290 aa, 33 kDa

Immunogen Catalog Number:

AG12443

MW observés:

45-50 kDa

Applications

Applications testées:

FC, IF, IHC, WB, ELISA

Demandes citées:

CoIP, FC, IF, IHC, IP, WB

Spécificité de l'espèce:

Humain, porc, rat, souris

Espèces citées:

Humain, rat, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) A défaut, 'le démasquage de l'antigène peut être 'effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules A375, cellules A549, cellules HepG2, cellules HSC-T6, cellules K-562, cellules RAW 264.7, cellules THP-1, tissu de muscle squelettique humain, tissu placentaire humain, tissu pulmonaire de porc

IHC : tissu d'amygdalite humaine, tissu cardiaque de souris, tissu cardiaque humain, tissu de cancer du poumon humain, tissu placentaire humain

IF : cellules HeLa,

Informations générales

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).

Publications notables

Autrice	Pubmed ID	Journal	Application
Jiacheng Huang	34650926	Front Oncol	IHC
Youqiong Ye	32988398	Genome Med	WB
Hao Zhang	36136350	Brief Bioinform	IHC

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

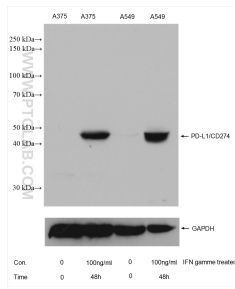
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

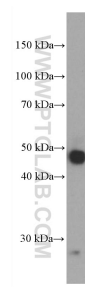
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

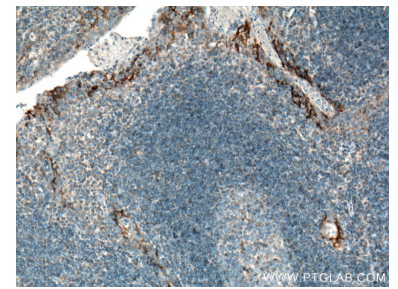
Données de validation sélectionnées



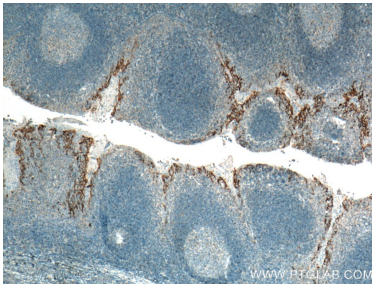
Untreated and IFN gamma treated A375 cells and A549 cells were subjected to SDS PAGE followed by western blot with 66248-1-Ig (PD-L1/CD274 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



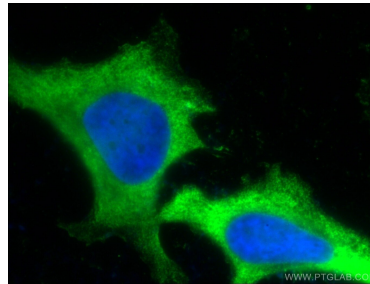
human placenta tissue were subjected to SDS PAGE followed by western blot with 66248-1-Ig (PD-L1/CD274 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



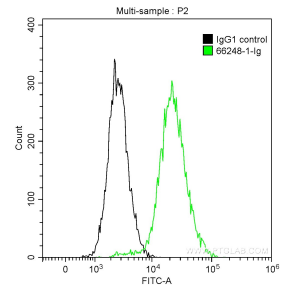
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66248-1-Ig (PD-L1/CD274 antibody) at dilution of 1:10000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66248-1-Ig (PD-L1/CD274 antibody) at dilution of 1:10000 (under 4x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (10% Formaldehyde) fixed HeLa cells using 66248-1-Ig (PD-L1/CD274 antibody) at dilution of 1:300 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



1×10^6 MDA-MB-231 cells were stained with 0.2 ug Anti-Human PD-L1/CD274 (66248-1-Ig, Clone: 2B11D11) and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (green), or stained with 0.2 ug mouse IgG1 isotype control antibody and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (black). Cells were fixed with 90% MeOH.