

Nur für Forschungszwecke

# PD-L1/CD274 Polyklonaler Antikörper



Katalog-Nr.: 17952-1-AP

Vorgestelltes Produkt

133 Publikationen

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 17952-1-AP	<b>GenBank-Zugangsnummer:</b> BC074984	<b>Reinigungsmethode:</b> Antigen-Affinitätsreinigung
<b>Größe:</b> 150ul, Konzentration: 550 µg/ml von Nanodrop;	<b>GeneID (NCBI):</b> 29126	<b>Empfohlene Verdünnungen:</b> WB 1:500-1:1000 IP 0.5-4.0 µg für IP und 1:500-1:2000 für WB
<b>Wirt:</b> Kaninchen	<b>Vollständiger Name:</b> CD274 molecule	<b>IHC 1:300-1:1200</b>
<b>Isotyp:</b> IgG	<b>Berechnete Masse:</b> 290 aa, 33 kDa	<b>IF 1:10-1:100</b>
<b>Immunogen Katalognummer:</b> AG12432	<b>Beobachtete Masse:</b> 45-56 kDa, 65-70 kDa	

## Anwendungen

**Geprüfte Anwendungen:**  
FC, IF, IHC, IP, WB, ELISA

**In Publikationen genannte Anwendungen:**  
ChIP, CoIP, FC, IF, IHC, IP, WB

**Getestete Reaktivität:**  
Human, Maus, Ratte

**Zitierte Arten:**  
Human, Maus, Ratte

**Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (\*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.**

### Positivkontrollen:

**WB:** humanes Plazenta-Gewebe, A375-Zellen, HeLa-Zellen, HepG2-Zellen, humanes Herzgewebe, K-562-Zellen, Mausherzgewebe, Maus-Skelettmuskelgewebe, mit IFN-gamma behandelte A549-Zellen

**IP:** Mausherzgewebe,

**IHC:** humanes Tonsillitisgewebe, humanes Magenkrebsgewebe, Mausherzgewebe

**IF:** HEK-293-Zellen,

## Hintergrundinformationen

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).

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Ching-Yao Yang	29036791	Cancer Biomark	IHC
Gagan Chhabra	34597611	J Invest Dermatol	IHC
Haoyu Guo	36201949	Biomaterials	IHC

## Lagerung

### Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

### Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

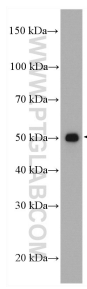
For technical support and original validation data for this product please contact:

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

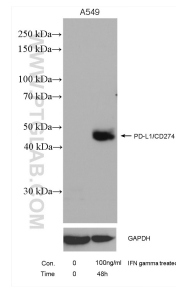
E: proteintech@ptglab.com  
W: ptglab.com

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

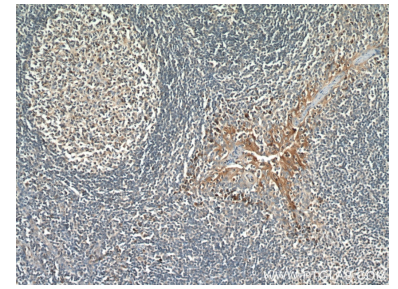
## Ausgewählte Validierungsdaten



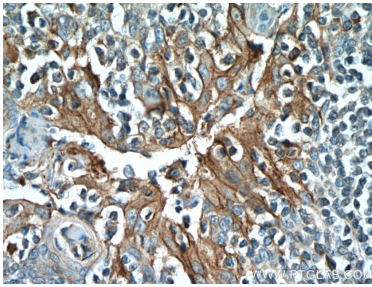
human placenta tissue were subjected to SDS PAGE followed by western blot with 17952-1-AP (PD-L1/CD274 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



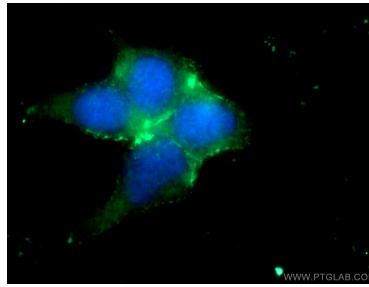
Untreated and IFN gamma treated A549 cells were subjected to SDS PAGE followed by western blot with 17952-1-AP (PD-L1/CD274 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



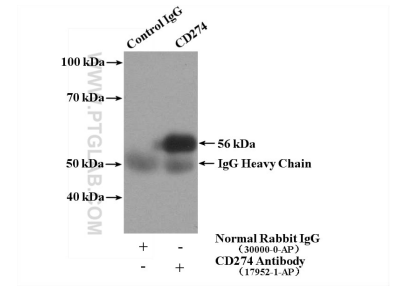
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 17952-1-AP (PD-L1/CD274 antibody) at dilution of 1:600 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



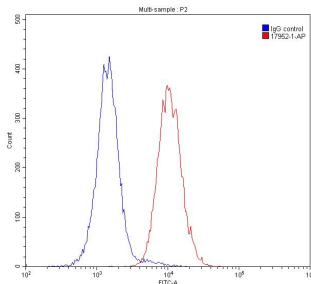
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 17952-1-AP (PD-L1/CD274 antibody) at dilution of 1:600 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of HEK-293 cells using 17952-1-AP (PD-L1/CD274 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IP Result of anti-PD-L1/CD274 (IP:17952-1-AP, 4ug; Detection:66248-1-Ig 1:1000) with mouse heart tissue lysate 4000ug.



1x10<sup>6</sup> Raji cells were stained with 0.20ug PD-L1/CD274 antibody (17952-1-AP, red) and control antibody (blue). Fixed with 90% MeOH.