**Product datasheet**

**Anti-PD-L1 antibody [SP142] - C-terminal ab228462**

**Overview**

**Product name**
Anti-PD-L1 antibody [SP142] - C-terminal

**Description**
Rabbit monoclonal [SP142] to PD-L1 - C-terminal

**Host species**
Rabbit

**Tested applications**
Suitable for: IHC-P, ICC/IF

**Species reactivity**
Reacts with: Human, Chinese hamster

**Immunogen**
Synthetic peptide within Human PD-L1 aa 250 to the C-terminus (C terminal). The exact sequence is proprietary.

Database link: Q9NZQ7

**Positive control**

**Properties**

**Form**
Liquid

**Storage instructions**

**Storage buffer**
pH: 7.6  
Preservative: 0.099% Sodium azide  
Constituents: PBS, 1% BSA

**Purity**
Protein A/G purified

**Purification notes**
Purified from TCS by protein A/G.

**Clonality**
Monoclonal

**Clone number**
SP142

**Isotype**
IgG

**Applications**

Our Abpromise guarantee covers the use of ab228462 in the following tested applications.

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1 Abreviews 62 References 9 Images
Function
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. Interaction with PDCD1 inhibits T-cell proliferation and cytokine production.

Tissue specificity
Highly expressed in the heart, skeletal muscle, placenta and lung. Weakly expressed in the thymus, spleen, kidney and liver. Expressed on activated T- and B-cells, dendritic cells, keratinocytes and monocytes.

Sequence similarities
Belongs to the immunoglobulin superfamily. BTN/MOG family.
Contains 1 Ig-like C2-type (immunoglobulin-like) domain.
Contains 1 Ig-like V-type (immunoglobulin-like) domain.

Cellular localization
Cell membrane and Endomembrane system.

Images
Immunocytochemistry/ Immunofluorescence analysis of CHO-PD-L1 (PD-L1 stably expressed Chinese hamster ovary epithelial cell) cells labeling PD-L1 with purified ab228462 at 1/50 (2 µg/ml). Cells were fixed in 4% paraformaldehyde and permeabilized with 0.1% Triton X-100. Cells were counterstained with ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1/200 (2.5 µg/ml). Goat anti rabbit IgG (Alexa Fluor® 488, ab150077) was used as the secondary antibody at 1/1000 (2 µg/ml) dilution. DAPI was used as nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.

### Application
<table>
<thead>
<tr>
<th>Abviews</th>
<th>Notes</th>
</tr>
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| IHC-P   | 1/100.  
Boil tissue section in EDTA buffer, pH 8.0 for 10 minutes followed by cooling at room temperature for 20 minutes.  
Primary antibody incubation for 10 minutes at room temperature. |
| ICC/IF  | 1/50.  
|
Formalin-fixed, paraffin-embedded human placenta tissue stained for PD-L1 using ab228462 at 1/100 dilution in immunohistochemical analysis.

Formalin-fixed, paraffin-embedded human tonsil tissue stained for PD-L1 using ab228462 at 1/100 dilution in immunohistochemical analysis.
Formalin-fixed, paraffin-embedded human lung squamous cell carcinoma tissue stained for PD-L1 using ab228462 at 1/100 dilution in immunohistochemical analysis.

Formalin-fixed, paraffin-embedded human Hodgkin's lymphoma tissue stained for PD-L1 using ab228462 at 1/100 dilution in immunohistochemical analysis.
Formalin-fixed, paraffin-embedded human cervical squamous cell carcinoma tissue stained for PD-L1 using ab228462 at 1/100 dilution in immunohistochemical analysis.

Formalin-fixed, paraffin-embedded human pancreatic adenocarcinoma tissue stained for PD-L1 using ab228462 at 1/100 dilution in immunohistochemical analysis.
Formalin-fixed, paraffin-embedded human prostate adenocarcinoma tissue stained for PD-L1 using ab228462 at 1/100 dilution in immunohistochemical analysis.

Formalin-fixed, paraffin-embedded human skin squamous cell carcinoma tissue stained for PD-L1 using ab228462 at 1/100 dilution in immunohistochemical analysis.

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