## Product datasheet

### Anti-PD-L1 antibody ab233482

1 Abreviews 5 Images

### Overview

<table>
<thead>
<tr>
<th><strong>Product name</strong></th>
<th>Anti-PD-L1 antibody</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description</strong></td>
<td>Rabbit polyclonal to PD-L1</td>
</tr>
<tr>
<td><strong>Host species</strong></td>
<td>Rabbit</td>
</tr>
<tr>
<td><strong>Tested applications</strong></td>
<td>Suitable for: IHC-P, WB</td>
</tr>
<tr>
<td><strong>Species reactivity</strong></td>
<td>Reacts with: Mouse, Human, Pig</td>
</tr>
</tbody>
</table>
| **Immunogen** | Recombinant fragment (His-tag) corresponding to Human PD-L1 aa 24-234. (Expressed in E.coli).
Sequence:

```
PKDLYVVEYGSNMTECKFPVEKQLDLAALMVYWEMED
KNIQFVHGEED
LKQHSSYRQRALLKDQLSLGNAALQITDVKLQDAG
VYRCMISYGADY
KRITVKVNAQNKRILVVDVTPVSEHTCQAEGYPK
AEVMWTSSDHQ
VLSGKTTTNSKREEKLNVSTLRTNTTNEIFYTFRRLPVITTHAE.lvipelplahp
```

Database link: Q9NZQ7

### Positive control

- **WB**: Mouse and rat heart lysate; Pig heart and skeletal muscle lysate; Recombinant human PD-L1 protein.
- **IHC-P**: Human tonsil tissue.

### Properties

<table>
<thead>
<tr>
<th><strong>Form</strong></th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Storage instructions</strong></td>
<td>Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.</td>
</tr>
<tr>
<td><strong>Storage buffer</strong></td>
<td>pH: 7.4</td>
</tr>
<tr>
<td></td>
<td>Preservative: 0.02% Sodium azide</td>
</tr>
<tr>
<td></td>
<td>Constituents: PBS, 50% Glycerol</td>
</tr>
<tr>
<td><strong>Purity</strong></td>
<td>Immunogen affinity purified</td>
</tr>
<tr>
<td><strong>Purification notes</strong></td>
<td>Antigen-specific affinity chromatography followed by Protein A affinity chromatography.</td>
</tr>
</tbody>
</table>
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab233482 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>IHC-P</td>
<td></td>
<td>Use a concentration of 5 - 20 µg/ml.</td>
</tr>
<tr>
<td>WB</td>
<td></td>
<td>Use a concentration of 0.5 - 2 µg/ml.</td>
</tr>
</tbody>
</table>

Target

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.


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

Formalin-fixed, paraffin-embedded human tonsil tissue stained for PD-L1 using ab233482 at 10 µg/ml in immunohistochemical analysis. DAB staining.
**All lanes**: Anti-PD-L1 antibody (ab233482) at 2 µg/ml

**Lane 1**: Mouse heart lysate
**Lane 2**: Rat heart lysate

Anti-PD-L1 antibody (ab233482) at 2 µg/ml + Pig skeletal muscle lysate

Anti-PD-L1 antibody (ab233482) at 2 µg/ml + Pig heart lysate
Anti-PD-L1 antibody (ab233482) at 2 µg/ml + Recombinant human PD-L1 protein

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