**Product name**
Anti-PD-L1 antibody [PDL1/2746] ab238697

**Description**
Mouse monoclonal [PDL1/2746] to PD-L1

**Host species**
Mouse

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

**Species reactivity**
Reacts with: Mouse, Human

**Immunogen**
Recombinant fragment within Human PD-L1 aa 39-191. The exact sequence is proprietary.  
Database link: Q9NZQ7

**Positive control**
IHC-P: Human lung SCC, cervical carcinoma, breast carcinoma and basal cell carcinoma tissue.  

**Properties**

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<thead>
<tr>
<th>Property</th>
<th>Details</th>
</tr>
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| Storage buffer            | Preservative: 0.05% Sodium azide  
constituents: PBS, 0.05% BSA                                            |
| Purity                    | Protein A/G purified                                                    |
| Purification notes        | Purified from bioreactor concentrate.                                  |
| Clonality                 | Monoclonal                                                             |
| Clone number              | PDL1/2746                                                              |
| Isotype                   | IgG2b                                                                  |
| Light chain type          | kappa                                                                  |

**Applications**

Our **Abpromise guarantee** covers the use of **ab238697** in the following tested applications.  
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
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
Formalin-fixed, paraffin-embedded human breast carcinoma tissue stained for PD-L1 with ab238697 at 2 µg/ml in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PD-L1 antibody [PDL1/2746] (ab238697)
All lanes: Anti-PD-L1 antibody [PDL1/2746] (ab238697) at 2 
µg/ml

Lane 1: RAW 264.7 (mouse macrophage cell line transformed 
with Abelson murine leukemia virus) cell lysate
Lane 2: A549 (human lung carcinoma cell line) cell lysate
Lane 3: THP-1 (human monocytic leukemia cell line) cell 
lysate
Lane 4: MOLT-4 (human lymphoblastic leukemia cell line) cell 
lysate
Lane 5: Raji (human Burkitt's lymphoma cell line) cell lysate
Lane 6: MDA-MB-231 (human breast adenocarcinoma cell line) 
cell lysate

Predicted band size: 33 kDa

Flow Cytometry analysis of Jurkat (human T cell leukemia cell line 
from peripheral blood) cells, labeling PD-L1 with ab238697, 
followed by Goat anti-mouse IgG-CF488 (orange) compared 
to cells alone (blue) and isotype control (red).

Analysis of Protein Array containing more than 19,000 full-length 
human proteins using ab238697.
Jurkat (human T cell leukemia cell line from peripheral blood) cells stained for PD-L1 using ab238697 at 2 µg/ml dilution in ICC/IF, followed by Goat anti-mouse IgG-CF488 (Green). The nuclear counterstain is Reddot (Red).

Formalin-fixed, paraffin-embedded human basal cell carcinoma tissue stained for PD-L1 with ab238697 at 2 μg/ml in immunohistochemical analysis.

Formalin-fixed, paraffin-embedded human cervical carcinoma tissue stained for PD-L1 with ab238697 at 2 μg/ml in immunohistochemical analysis.
Formalin-fixed, paraffin-embedded human lung SCC tissue stained for PD-L1 with ab238697 at 2 µg/ml in immunohistochemical analysis.

All lanes: Anti-PD-L1 antibody [PDL1/2746] (ab238697) at 2 µg/ml

Lane 1: HEK-293 (human epithelial cell line from embryonic kidney) cell lysate
Lane 2: HepG2 (human liver hepatocellular carcinoma cell line) cell lysate

Predicted band size: 33 kDa

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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