Product datasheet

Anti-PD-L1 antibody [PDL1/2746] ab238697

Overview

Product name: Anti-PD-L1 antibody [PDL1/2746]
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
Database link: Q9NZQ7
Positive control: IHC-P: Human lung SCC, cervical carcinoma, breast carcinoma and basal cell carcinoma tissue.

Properties

Form: Liquid
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 (ab238697)
Western blot - 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 - Anti-PD-L1 antibody [PDL1/2746] (ab238697)

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).

Protein Array - Anti-PD-L1 antibody [PDL1/2746] (ab238697)

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.
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PD-L1 antibody [PDL1/2746] (ab238697)

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

Western blot - Anti-PD-L1 antibody [PDL1/2746] (ab238697)

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. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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