

Product datasheet

Anti-PD-L1 antibody [BLR020E] ab243877

Recombinant

[1 References](#) [10 Images](#)

Overview

Product name	Anti-PD-L1 antibody [BLR020E]
Description	Rabbit monoclonal [BLR020E] to PD-L1
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF, IHC-P, IP
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide within Human PD-L1 aa 250-290 (C terminal). The exact sequence is proprietary. NP_054862.1 and Gene ID 29126. Database link: Q9NZQ7
General notes	This product is sold under License from Bethyl Laboratories, Inc.

Properties

Form	Liquid
Storage instructions	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.
Storage buffer	pH: 7.8 Preservative: 0.09% Sodium azide Constituents: 98% Borate buffered saline, 0.1% BSA
Purification notes	Recombinant antibody was purified from cell culture supernatant.
Clonality	Monoclonal
Clone number	BLR020E
Isotype	IgG

Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab243877 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000.
ICC/IF		1/100 - 1/500.
IHC-P		1/100 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
IP		Use at an assay dependent concentration. Use 20µl/mg lysate.

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.

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.

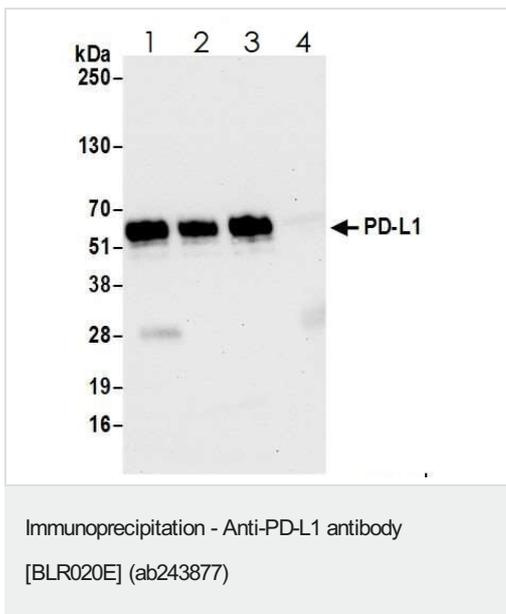
Sequence similarities

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



PD-L1 was immunoprecipitated from HeLa RKO cell lysate (1.0 mg per IP reaction, 20% loaded) with ab243877 at 20 µl/mg lysate. Western blot was performed on the immunoprecipitate using ab243877 at 1/1000 dilution.

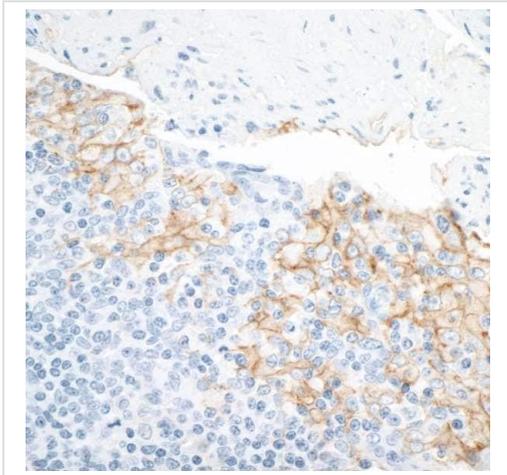
Lane 1: rabbit anti-PD-L1 recombinant monoclonal antibody IP in RKO whole cell lysate.

Lane 2: ab243877 IP in RKO whole cell lysate.

Lane 3: ab243877 IP in RKO whole cell lysate.

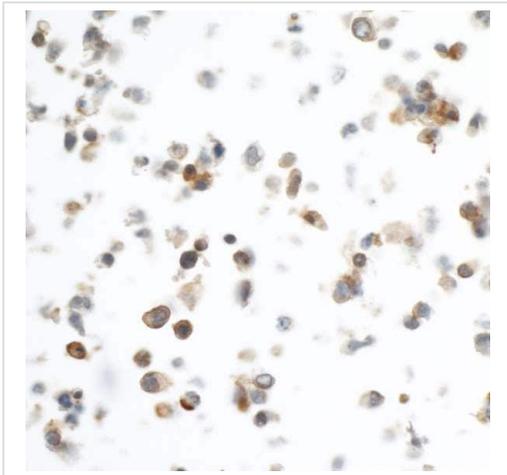
Lane 4: Control IgG in RKO whole cell lysate.

Detection: Chemiluminescence with an exposure time of 10 seconds



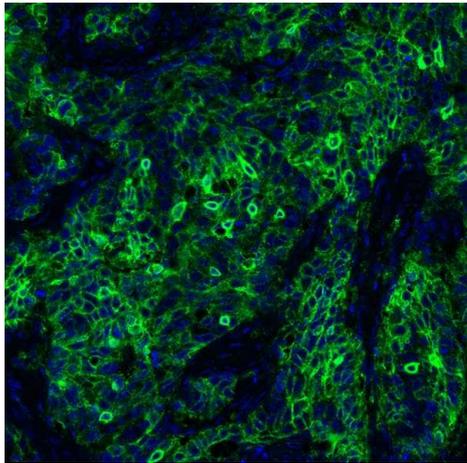
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human tonsil tissue labelling PD-L1 with ab243877 and secondary HRP-conjugated goat anti-rabbit IgG.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PD-L1 antibody [BLR020E] (ab243877)



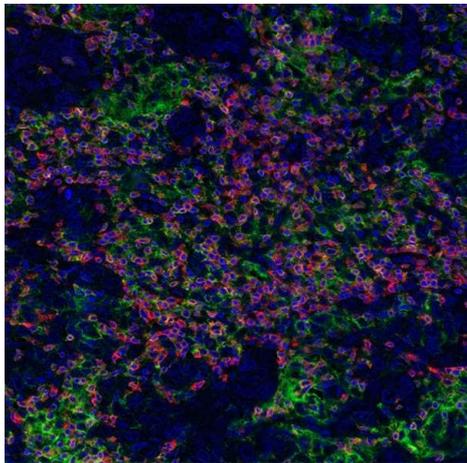
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human Sup-M2 cells labelling PD-L1 with ab243877 and secondary HRP-conjugated goat anti-rabbit IgG.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PD-L1 antibody [BLR020E] (ab243877)



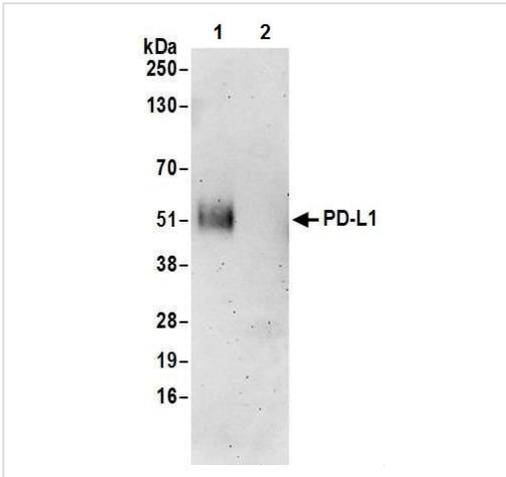
Formalin-fixed, paraffin-embedded human lung carcinoma tissue stained for PD-L1 using ab243877 at 1/250 dilution in immunohistochemical analysis. A HRP-conjugated goat anti-rabbit IgG was used as the secondary. Counterstain was DAPI.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PD-L1 antibody [BLR020E] (ab243877)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human breast carcinoma tissue labelling PD-L1 with ab243877 and HRP-conjugated goat anti-rabbit secondary. CD8 alpha is in red, and CD3E is in green. Counterstain is DAPI (blue)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PD-L1 antibody [BLR020E] (ab243877)



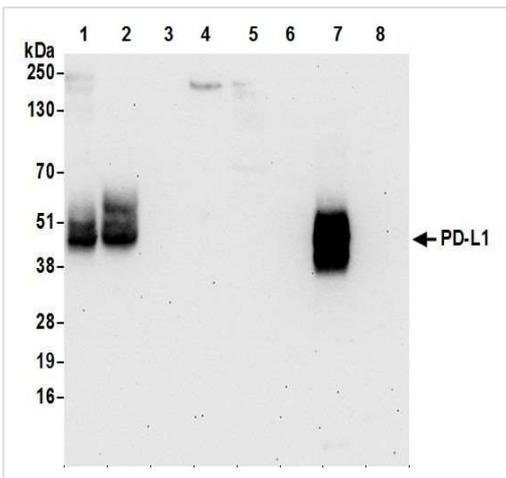
Immunoprecipitation - Anti-PD-L1 antibody
[BLR020E] (ab243877)

PDL-1 was immunoprecipitated from SUP-M2 whole cell lysate with ab243877. Western blot was performed on the immunoprecipitate using ab243877 at 1/1000 dilution.

Lane 1: ab243877 IP in SUP-M2 whole cell lysate.

Lane 2: Control IgG in SUP-M2 whole cell lysate.

Detection: Chemiluminescence.



Western blot - Anti-PD-L1 antibody [BLR020E]
(ab243877)

All lanes : Anti-PD-L1 antibody [BLR020E] (ab243877) at 1/1000 dilution

Lane 1 : SUP-M2 whole cell lysate

Lane 2 : HDLM-2 whole cell lysate

Lane 3 : HEK-293T whole cell lysate

Lane 4 : Ramos whole cell lysate

Lane 5 : Jurkat whole cell lysate

Lane 6 : PD-L2 whole cell lysate

Lane 7 : PD-L1 whole cell lysate

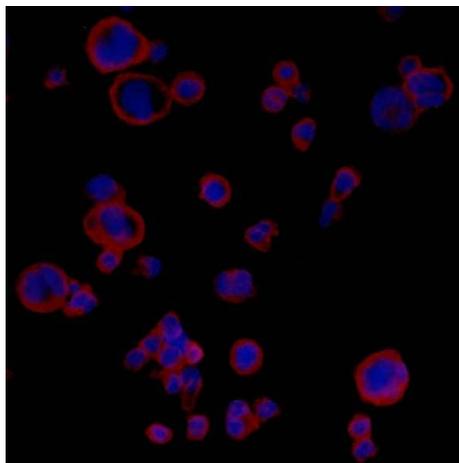
Lane 8 : HEK-293 whole cell lysate

Lysates/proteins at 50 µg per lane.

Secondary

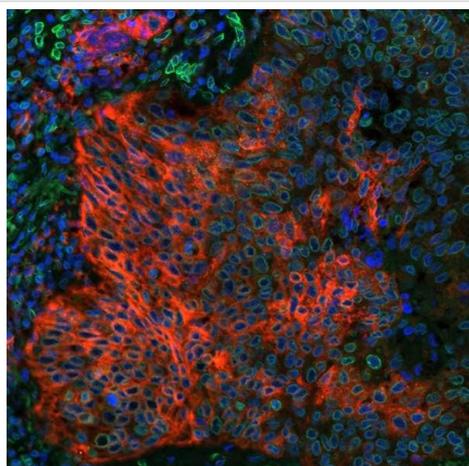
All lanes : HRP-conjugated goat anti-rabbit IgG antibody

Detection: chemiluminescence.



Immunocytochemistry/ Immunofluorescence - Anti-PD-L1 antibody [BLR020E] (ab243877)

Formaldehyde-fixed HDML-2 cells labeling PDL-1 using **ab243876** at 1/250 dilution in ICC/IF analysis. A HRP-conjugated goat anti-rabbit IgG was used as the secondary antibody. DAB staining



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PD-L1 antibody [BLR020E] (ab243877)

Formalin-fixed, paraffin-embedded human lung carcinoma tissue stained for PD-L1 using ab243877 at 1/100 dilution in immunohistochemical analysis. A DyLight[®]-conjugated goat anti-rabbit IgG was used as the secondary. DAB staining.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-PD-L1 antibody [BLR020E] (ab243877)

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