Product Datasheet

PD-L1 Rabbit Recombinant Monoclonal Antibody (orb1519952)

Catalog Number	orb1519952
Category	Antibodies
Description	PD-L1 Antibody
Target	PD-L1
Clonality	Recombinant
Species/Host	Rabbit
Isotype	IgG
Conjugation	Unconjugated
Reactivity	Human
Form/Appearance	Liquid
Concentration	50 µg/ml
Buffer/Preservatives	Borate Buffered Saline (BBS) pH 8.2 with 0.1% rAlbumin and 0.09% Sodium Azide
Purity	Recombinant antibody was purified from cell culture supernatant
Purification	Purified
Immunogen	Between 240 and C-terminus
UniProt ID	Q9NZQ7

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Tested applications	FC, ICC, IF, IHC, WB
Dilution range	Flow-Cyt Fixed in 4% formaldehyde and permeabilized with 90% methanol. 2 µl per 1 x 10^6 cells. ICC-IF 1:100 - 1:500. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE cell sections. Immunohistochemistry (IHC) 1:100 - 1:500. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections. IHC-IF 1:100 - 1:500. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections. Immunoprecipitation (IP) 20 µl/mg lysate. Multiplex Immunofluorescence (mIF) 1:250. Western Blot (WB) 1:1000
Application notes	All western blot analysis is performed using 5% Milk-TBST for blocking and as antibody diluent. Primary antibody is incubated overnight.
Antibody Type	Primary Antibody
Clone Number	BLR020E
Storage	2 - 8°C
Background	PD-L1 is an immune inhibitory receptor ligand that is expressed by hematopoietic and non-hematopoietic cells, such as T cells and B cells and various types of tumor cells. PD-L1 is a type I transmembrane protein that has immunoglobulin V-like and C-like domains. Interaction of this ligand with its receptor inhibits T-cell activation and cytokine production. During infection or inflammation of normal tissue, this interaction is important for preventing autoimmunity by maintaining homeostasis of the immune response. In tumor microenvironments, this interaction provides an immune escape for tumor cells through cytotoxic T-cell inactivation. Expression of this gene in tumor cells is considered to be prognostic in many types of human malignancies, including colon cancer and renal cell carcinoma
Note	For research use only
NCBI	**NP_054862.1**
Expiration Date	12 months from date of receipt.

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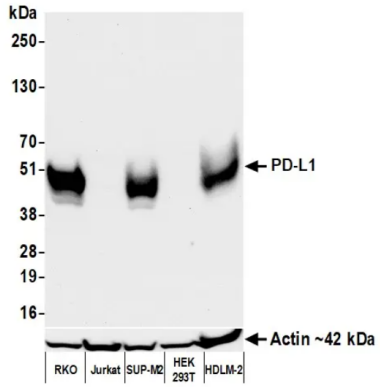
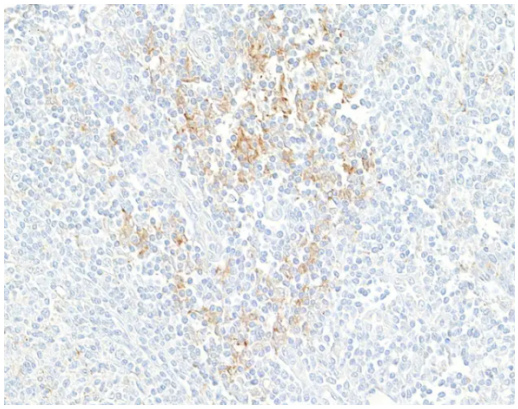
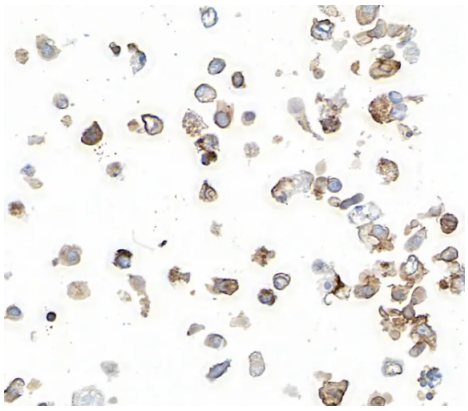


Detection of human PD-L1 by western blot. Samples: Whole cell lysate (50 µg) from RKO, Jurkat, SUP-M2, HEK293T, and HDLM-2 cells prepared using NETN lysis buffer. Antibody: Rabbit anti-PD-L1 recombinant monoclonal antibody used at 1:1000. Secondary: HRP-conjugated goat anti-rabbit IgG. Detection: Chemiluminescence with an exposure time of 30 seconds. Lower Panel: Rabbit anti-Actin recombinant monoclonal antibody



Detection of human PD-L1 by immunohistochemistry. Sample: FFPE section of human tonsil. Antibody: Rabbit anti-PD-L1 recombinant monoclonal antibody. Secondary: HRP-conjugated goat anti-rabbit IgG



Detection of human PD-L1 by immunocytochemistry. Sample: FFPE section of human SUP-M2 cells. Antibody: Rabbit anti-PD-L1 recombinant monoclonal antibody. Secondary: HRP-conjugated goat anti-rabbit IgG

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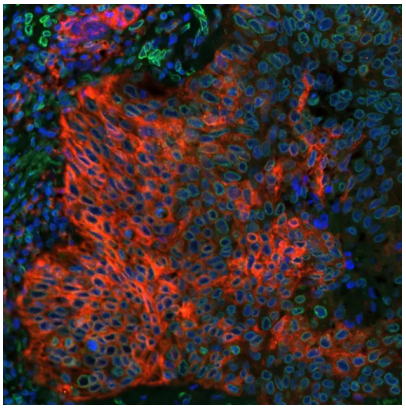
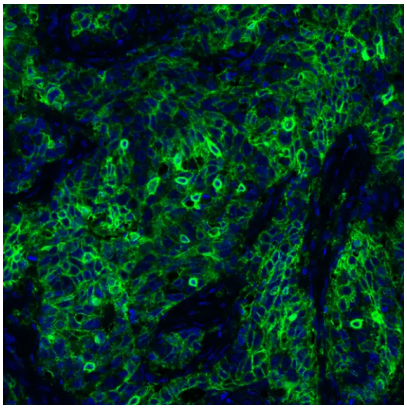
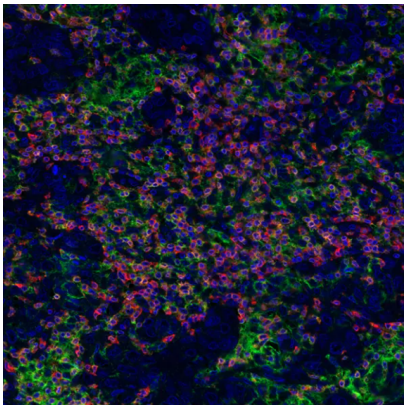


Detection of human PD-L1 (red) and Lamin-A/C (green) in FFPE lung carcinoma by IHC-IF. Antibody: Rabbit anti-PD-L1 recombinant monoclonal and rabbit anti-Lamin-A/C. Secondary: DyLight® 594-conjugated goat anti-rabbit IgG and DyLight® 488-conjugated goat anti-rabbit IgG. Counterstain: DAPI (blue).



Detection of human PD-L1 (green) by immunohistochemistry. Sample: FFPE section of human lung carcinoma. Antibody: Rabbit anti-PD-L1 recombinant monoclonal antibody used at 1:250. Secondary: HRP-conjugated goat anti-rabbit IgG. Substrate: Opal™. Counterstain: DAPI (blue).



Detection of human PD-L1 by immunocytochemistry. Sample: FFPE section of human SUP-M2 cells. Antibody: Rabbit anti-PD-L1 recombinant monoclonal antibody Secondary: HRP-conjugated goat anti-rabbit IgG

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