PD-L1 antibody

Cat. No. GTX104763

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB, ICC/IF, IHC-P, IHC-Fr, FCM
Reactivity	Human

References (55)

Review (2)

Package
100 µl, 25 µl

PRODUCT

Summary

PD-L1 antibody recognizes programmed death-ligand 1 (PD-L1) protein, also known as B7 homolog 1 (B7-H1) and cluster of differentiation 274 (CD274) protein. PD-L1 is found on various cancer cells and transduces immunosuppressive signals by binding to the programmed cell death protein 1 (PD-1) on effector T cells, thereby diminishing immune system attacks on malignant cells. Blocking the interaction between PD-L1 and PD-1 with PD-L1 antibodies is generating great clinical interest as a mode of immunotherapy against a number of cancers.

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:500-1:3000
ICC/IF	1:100-1:1000
IHC-P	1:100-1:1000
IHC-Fr	Assay dependent
FCM	Assay dependent

Not tested in other applications.

Calculated MW	33 kDa. (Note)
Observed MW (kDa)	50 kDa. The observed M.W. is based on the following publication. PMID: 23674495
Product Note	This antibody is specific for human PDL1 protein, and it does not cross react with human PDL2 protein. KO/KD validation is based on published data (PMID: 31905966 and 33608051).

Properties

Form	Liquid
Buffer	PBS, 20% Glycerol
Preservative	0.025% ProClin 300

For full product information, images and publications, please visit our website.

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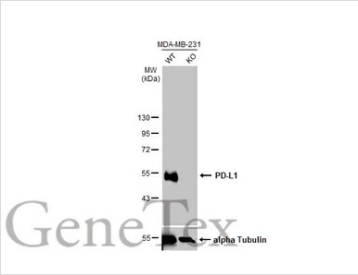
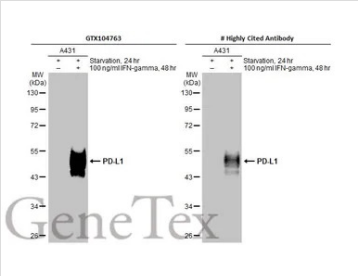
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4ºC. For long-term storage, aliquot and store at -20ºC or below. Avoid multiple freeze-thaw cycles.
Concentration	0.97 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Synthetic peptide encompassing a sequence within the Intracellular domain of human PD-L1. The exact sequence is proprietary.
Purification	Purified by antigen-affinity chromatography.
Conjugation	Unconjugated
Note	For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption. Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES



GTX104763 WB Image

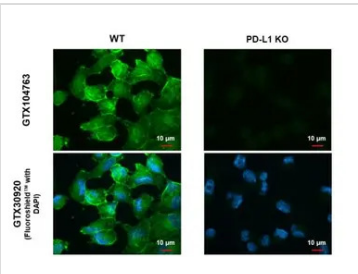
Wild-type (WT) and PD-L1 knockout (KO) MDA-MB-231 cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with PD-L1 antibody (GTX104763) diluted at 1:4000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



GTX104763 WB Image

Untreated (–) and treated (+) A431 whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membranes were blotted with PD-L1 antibody (GTX104763) diluted at 1:1200 and competitor's antibody diluted at 1:500. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.

*The competitor is not affiliated with GeneTex and does not endorse this product.



GTX104763 ICC/IF Image

PD-L1 antibody detects PD-L1 protein at cell membrane by immunofluorescent analysis.
Sample: MDA-MB-231 cells were fixed in ice-cold MeOH for 5 min.
Green: PD-L1 stained by PD-L1 antibody (GTX104763) diluted at 1:500.
Blue: Fluoroshield with DAPI (GTX30920).

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