

## PD-L1 antibody

Cat. No. GTX104763

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

References ( 56 )

 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

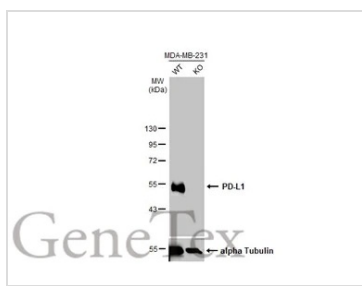
<b>Form</b>	Liquid
<b>Buffer</b>	PBS, 20% Glycerol
<b>Preservative</b>	0.025% ProClin 300



For full product information, images and publications, please visit our [website](#).

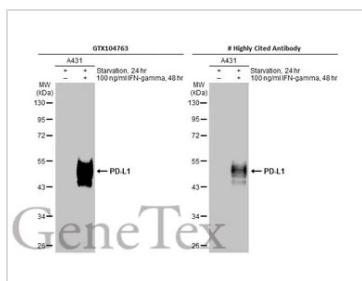
<b>Storage</b>	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
<b>Concentration</b>	0.97 mg/ml (Please refer to the vial label for the specific concentration.)
<b>Immunogen</b>	Synthetic peptide encompassing a sequence within the Intracellular domain of human PD-L1. The exact sequence is proprietary.
<b>Purification</b>	Purified by antigen-affinity chromatography.
<b>Conjugation</b>	Unconjugated
<b>Note</b>	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**

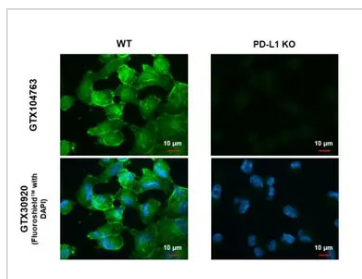
Wild-type (WT) and PD-L1 knockout (KO) MDA-MB-231 cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with PD-L1 antibody (GTX104763) diluted at 1:4000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



**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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