



PD-L1/CD274 mouse mAb

Catalog No	YP-mAb-18403
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-290 of human PD-L1/CD274 (Q9NZQ7)
Specificity	
Formulation	
Source	
Purification	Affinity purification
Dilution	WB 1:1000 - 1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	B7-H;B7H1;PDL1;PD-L1;hPD-L1;PDCD1L1;PDCD1LG1;PD-L1/CD274
Observed Band	40-50 kDa
Calculated Molecular Weight	33 kDa
Cell Pathway	
Tissue Specificity	
Function	
Background	This gene encodes 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. The encoded protein 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. Alternative splicing results in multiple transcript variants.

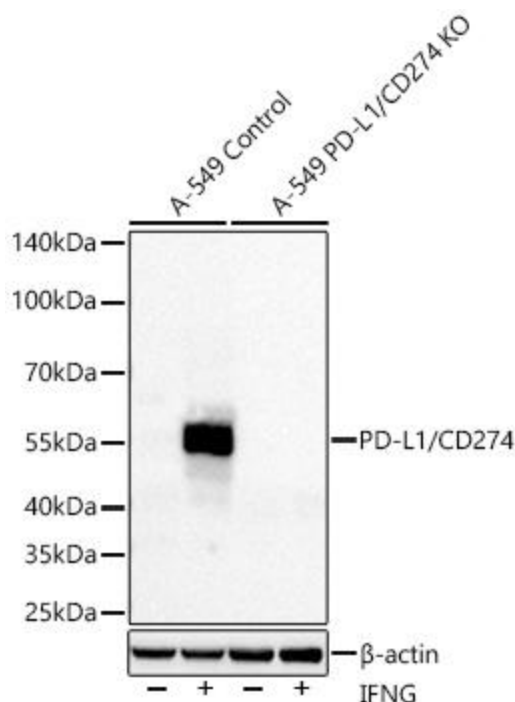
matters needing attention

Avoid repeated freezing and thawing!

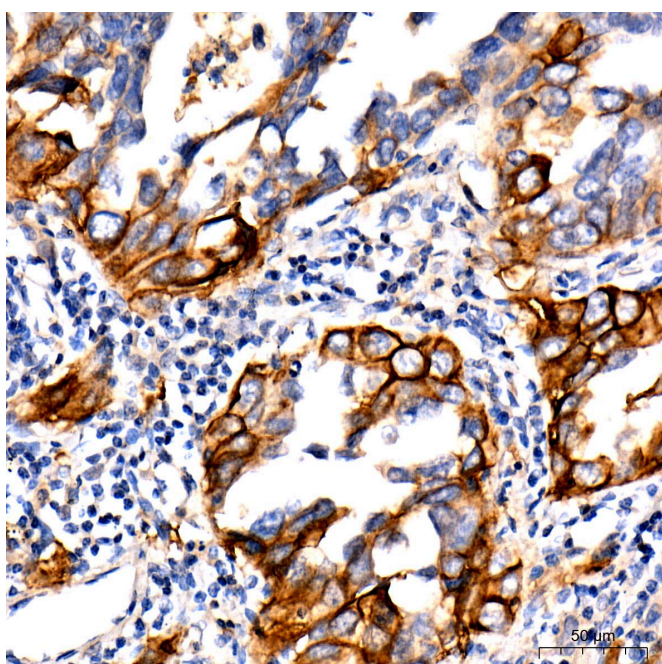
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

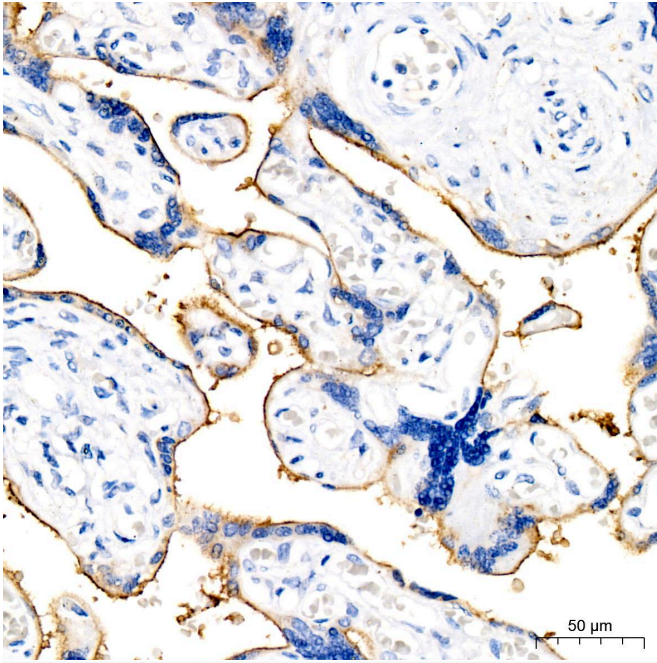
Products Images



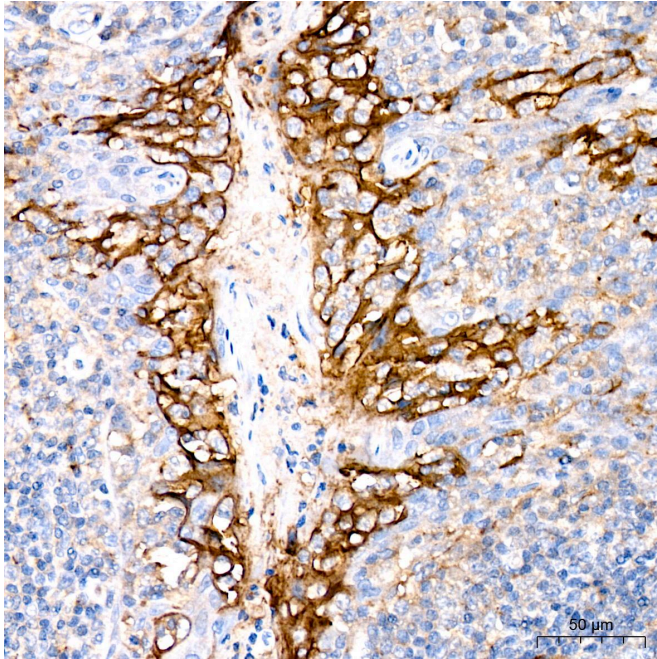
Western blot analysis of lysates from wild type (WT) and PD-L1/CD274 knockout (KO) A-549 cells using PD-L1/CD274 Mouse mAb (A19135) at 1:1000 dilution incubated overnight at 4°C. Wild type (WT) and PD L1/CD274 knockout (KO) A549 cells were treated by IFNG (100 ng/mL) at 37°C for 48 hours. Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 30 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 45s



Immunohistochemistry analysis of paraffin embedded Human lung adenocarcinoma using PD-L1/CD274 Mouse mAb (A19135) at dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin embedded Human placenta using PD L1/CD274 Mouse mAb (A19135) at dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining



Immunohistochemistry analysis of paraffin embedded Human tonsil using PD-L1/CD274 Mouse mAb (A19135) at dilution of 1:500 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.