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Product datasheet for TA507087M

PD-L1 (CD274) Mouse Monoclonal Antibody [Clone ID: OTI2C7]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2C7
Applications:	ELISA, FC, IF, IHC, LMNX, WB
Recommended Dilution:	WB 1:200~2000, IF 1:100
Reactivity:	Human (Does not react with: Mouse)
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human CD274(NP_054862) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	31 kDa
Gene Name:	CD274 molecule
Database Link:	NP_054862 Entrez Gene 60533 MouseEntrez Gene 29126 Human Q9NZQ7
Synonyms:	B7-H; B7H1; PD-L1; PDCD1L1; PDCD1LG1; PDL1
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Cell adhesion molecules (CAMs)

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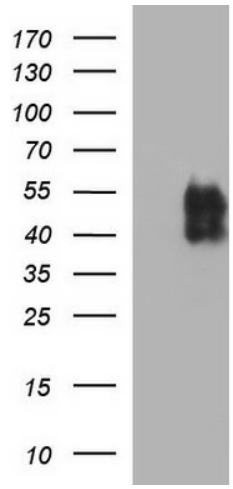
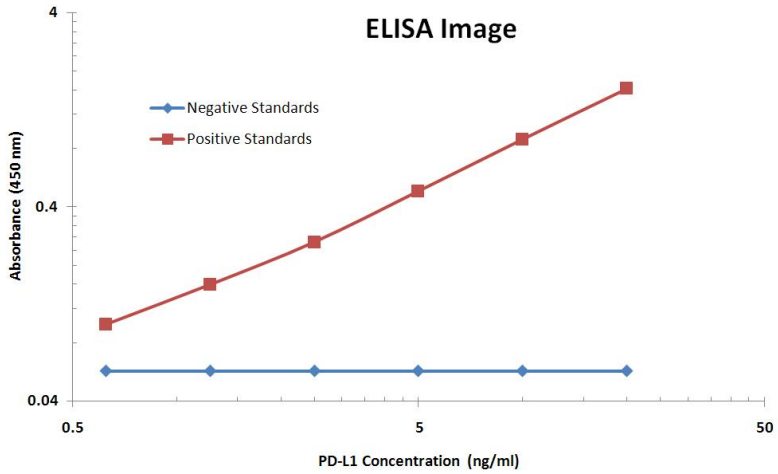
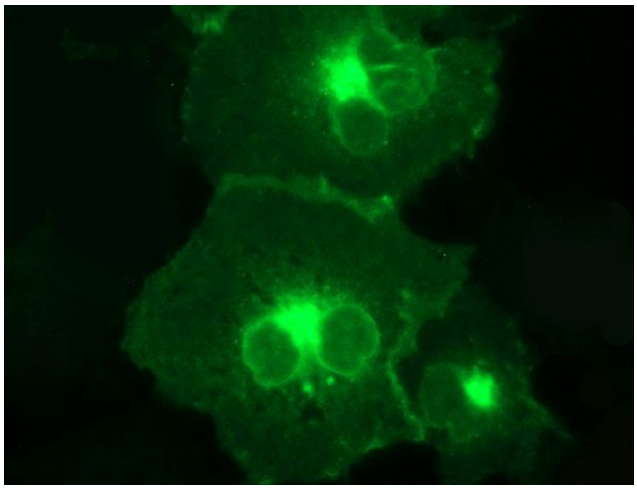
Product images:



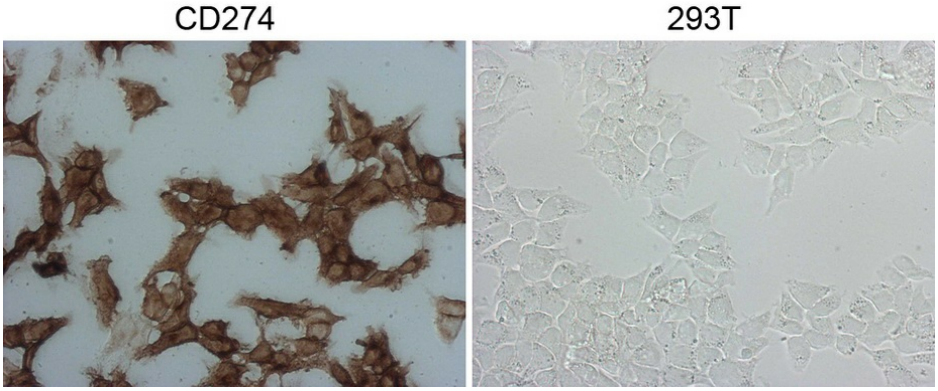
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY CD274 (Cat# [RC213071], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CD274(Cat# [TA507087]). Positive lysates [LY415473] (100ug) and [LC415473] (20ug) can be purchased separately from OriGene.



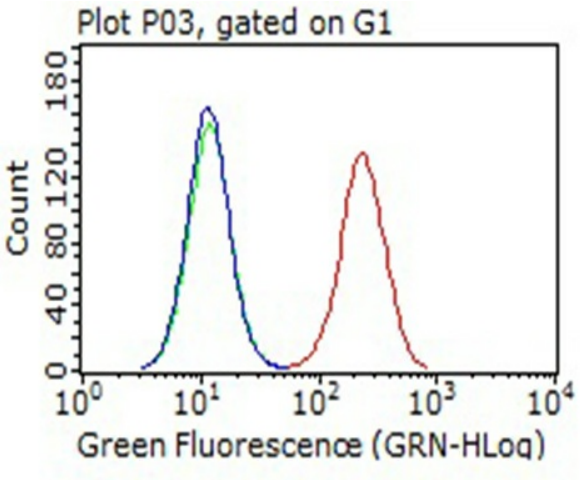
PD-L1 ELISA with 2C7 Capture ([TA507087]) and 9E12 Detection ([TA808771]) Antibodies. Substrate used: Recombinant Human PD-L1 ([TP700201])



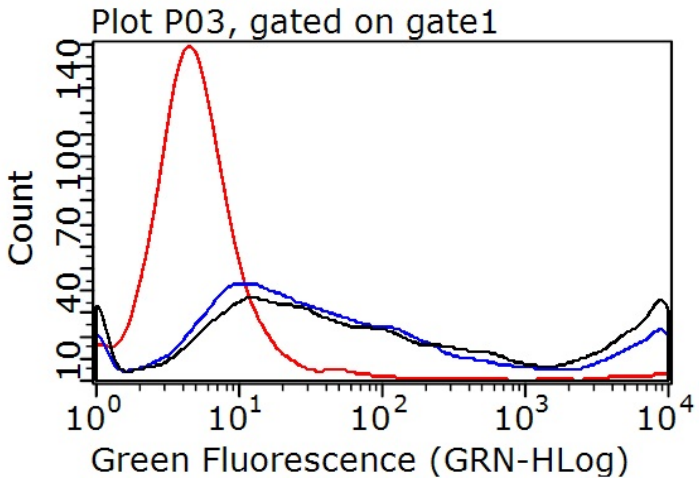
Anti-CD274 mouse monoclonal antibody ([TA507087]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY CD274 ([RC213071]).



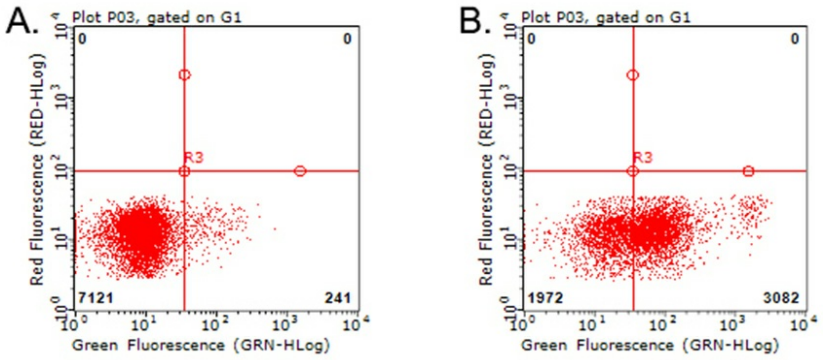
Immunocytochemistry staining of CD274 stable expression cells using anti-CD274 mouse monoclonal antibody ([TA507087]) (Left). The right is negative control (1:5000).



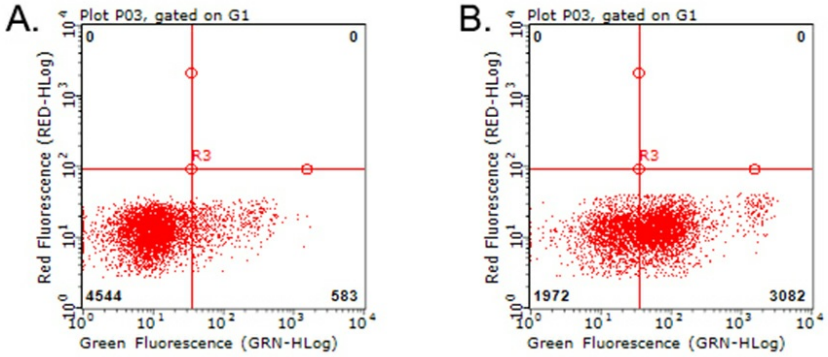
Flow cytometric Analysis of HCC78 cells, using anti-PDL1 antibody ([TA507087]), (Red), compared to isotype control, (green), and negative control (PBS), (Blue) (1:100).



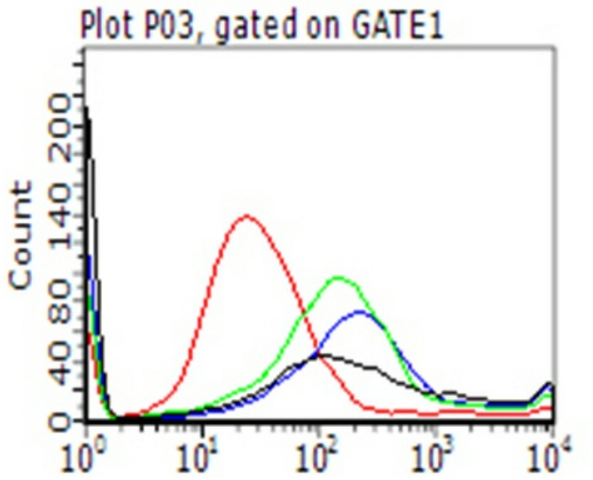
Detection of PDL1 neutralizing antibody using MACS column. PD1+ 293T cells ([RC210364]) linked with magnetic-beads and GFP+/PDL1+ 293T cells co-transfected with PDL1 ([RC213071]) and GFP ([PS100010]) plasmids were mixed together and incubated with PDL1 antibody [TA507087] (red), mouse IgG isotype control (blue) or PBS (black). The mixed cells were pulled down using MACS column (Miltenyi Biotec) and analysed by Flow Cytometry. GFP+/PDL1+ cells would be collected if PD1/PDL1 interaction is not neutralized by the tested antibody.



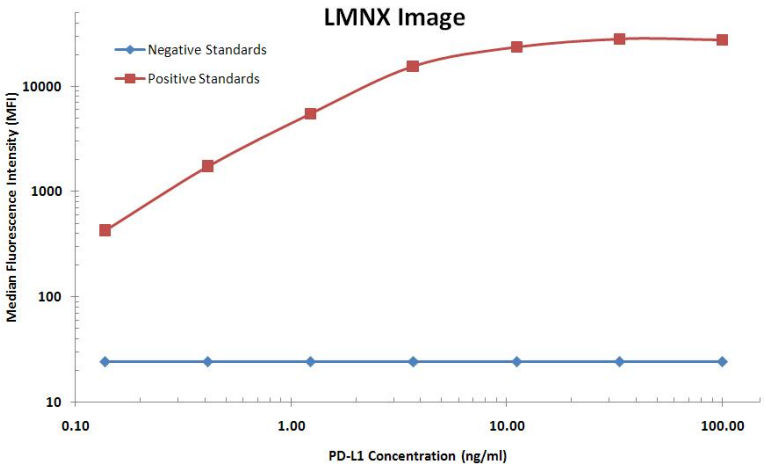
Flow cytometric analysis of living PBMCs treated with 10ug/ml PHA for 72h (Right)/untreated (Left) using anti-PDL1 antibody ([TA507087]) (1:100).



Flow cytometric analysis of living PBMCs treated with 10ug/ml PHA for 72h (Right) using anti-PDL1 antibody ([TA507087]). Cells incubated with a non-specific antibody (Left) were used as isotype control (1:100).



Detection of PDL1 neutralizing antibody using MACS column. GFP+/PDL1+ 293T cells (co-transfected with PDL1 and GFP plasmid ([RC213071], PS10010) were incubated with either PDL1 antibody [TA507087] (red), non-specific antibody (green), isotype control (blue) or PBS (black) and then mixed with PD1+ 293T cells ([RC210364]) linked with magnetic-beads. The mixed cells were pulled down using MACS column (Miltenyi Biotec) and analysed by Flow Cytometry. GFP+/PDL1+ cells would not be collected if PD1/PDL1 interaction is neutralized by the tested antibody (1:50).



PD-L1 Luminex ELISA with 2C7 Capture ([TA507087]) and 9E12 Detection ([TA808771]) Antibodies. Substrate used: Recombinant Human PD-L1 ([TP700201])