OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for CF809809

PD-L1 (CD274) Mouse Monoclonal Antibody [Clone ID: OTI13G7]

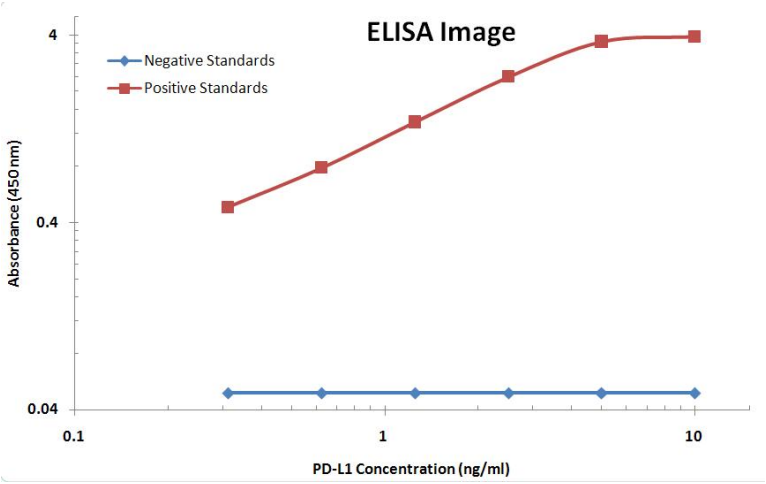
Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI13G7
Applications:	ELISA, FC, IF
Recommended Dilution:	IF 1:5000, FLOW 1:100
Reactivity:	Human (Does not react with: Mouse)
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 19-239 of human PD-L1/CD274(NP_054862) produced in HEK293 cells.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
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

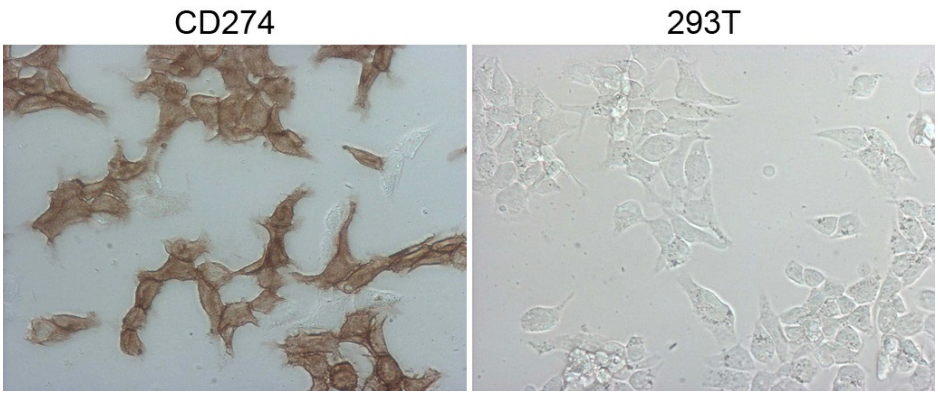
View online »

Protein Pathways: Cell adhesion molecules (CAMs)

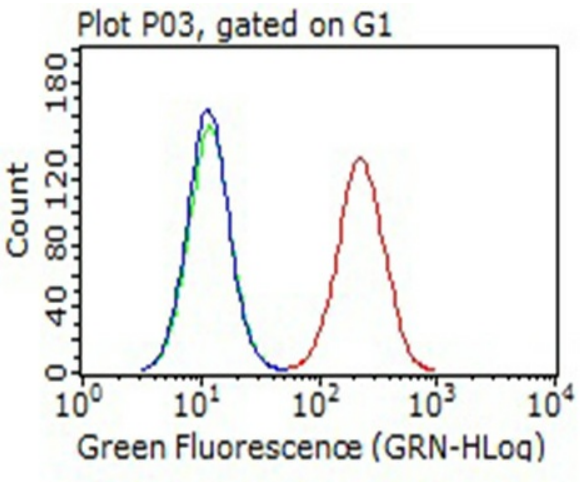
Product images:



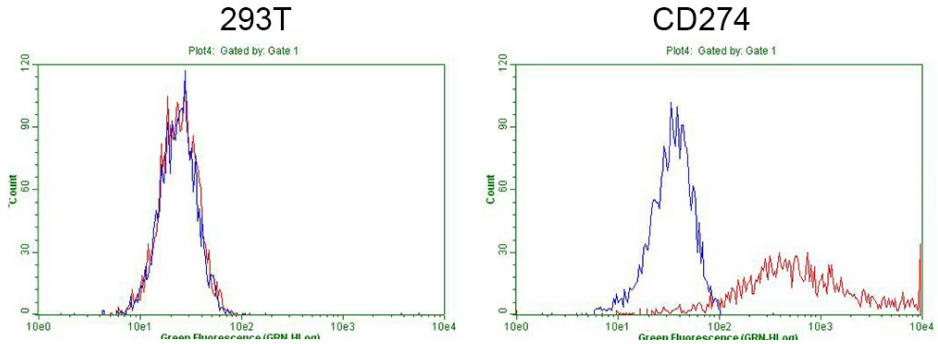
PD-L1 ELISA with 13G7 Capture ([TA809809]) and 9E12 Detection ([TA808771]) Antibodies. Substrate used: Recombinant Human PD-L1 ([TP700201])



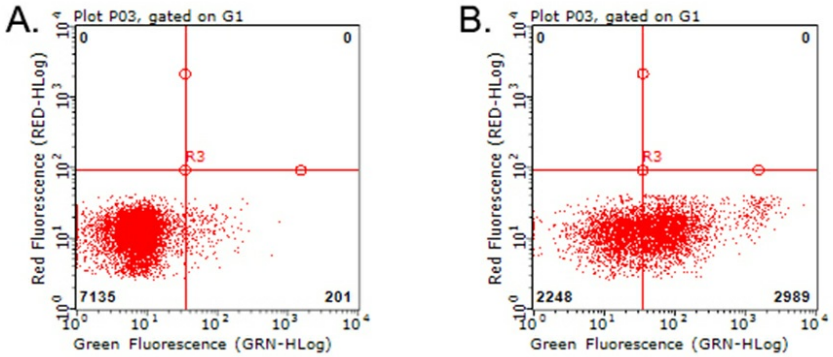
Immunocytochemistry staining of CD274 stable expression cells using anti-CD274 mouse monoclonal antibody ([TA507087]) (Left). The right is negative control (1:5000).



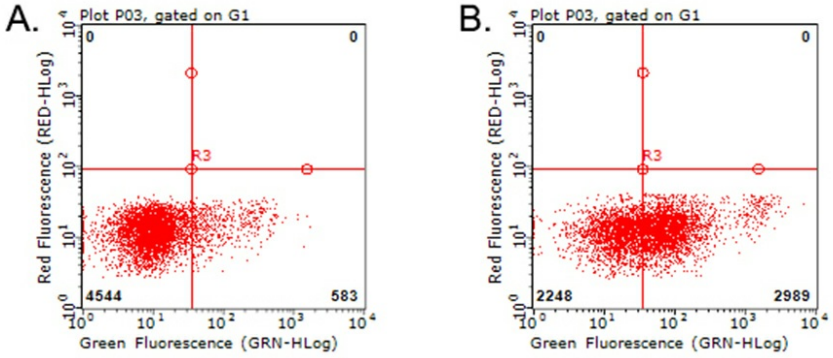
Flow cytometric Analysis of HCC78 cells, using anti-PDL1 antibody ([TA809809]), (Red), compared to isotype control, (green), and negative control (PBS), (Blue) (1:100).



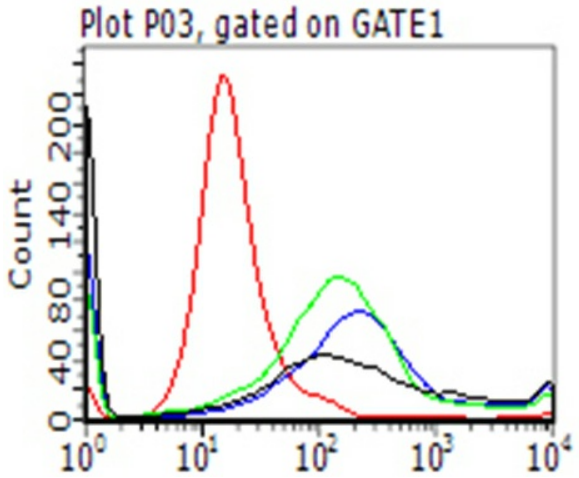
Flow cytometric Analysis of stable expression CD274 cells using anti-CD274 antibody ([TA809809]) (Red) compared to a nonspecific negative control antibody (Blue). The left is 293T as negative control (1:100).



Flow cytometric analysis of living PBMCs treated with 10ug/ml PHA for 72h (Right)/untreated (Left) using anti-PDL1 antibody ([TA809809]) (1:100).



Flow cytometric analysis of living PBMCs treated with 10ug/ml PHA for 72h (Right) using anti-PDL1 antibody ([TA809809]). 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 [TA809809] (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).