

Catalog	Unit
TBS10389-0.5MG	0.5 mg
TBS10389-1MG	1 mg
TBS10389-5MG	5 mg

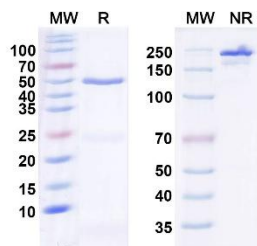
**Description**

Tribioscience in vivo Anti-Human CD274/PD-L1/B7-H1 Monoclonal Antibody is a human IgG1, kappa monoclonal antibody specifically targeting PD-L1 (Programmed Cell Death 1 Ligand 1, CD274, B7-H1, PDCD1L1, PDL1, hPD-L1). PD-L1 is a membrane-associated immune checkpoint protein that plays a critical role in regulating T cell activity and tumor immune evasion. This antibody is particularly relevant for research in areas such as cancer immunotherapy, autoimmune diseases, and immune checkpoint modulation, where PD-L1 expression contributes to disease progression and therapeutic targeting.

**Product Details**

<b>Applications:</b>	FuncS
<b>Species reactivity:</b>	Human
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG2a, kappa
<b>Target:</b>	Programmed cell death 1 ligand 1, PD-L1, PDCD1 ligand 1, Programmed death ligand 1, hPD-L1, B7 homolog 1, B7-H1, CD274, CD274, B7H1, PDCD1L1, PDCD1LG1, PDL1.
<b>Uniprot:</b>	Q9NZQ7
<b>Concentration:</b>	3 mg/ml
<b>Purity:</b>	>95%
<b>Formulation:</b>	Liquid
<b>Storage buffer:</b>	0.01M PBS, pH 7.4.
<b>Purification:</b>	Protein A/G purified from cell culture supernatant.
<b>Clonality:</b>	Monoclonal
<b>Storage:</b>	Store -20°C up to 12 months, and -80°C for long term. Avoid repeated freeze-thaw cycles.

**Data Image**

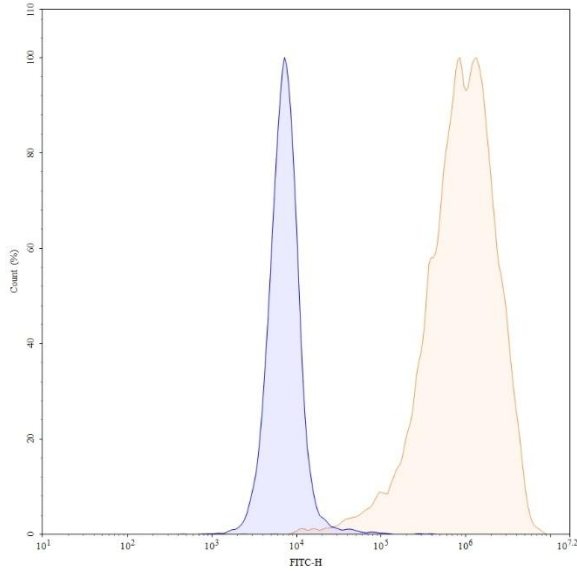


**Fig. 1. SDS-PAGE for InVivo Anti-Human/Mouse CD274/PD-L1/B7-H1 Antibody**

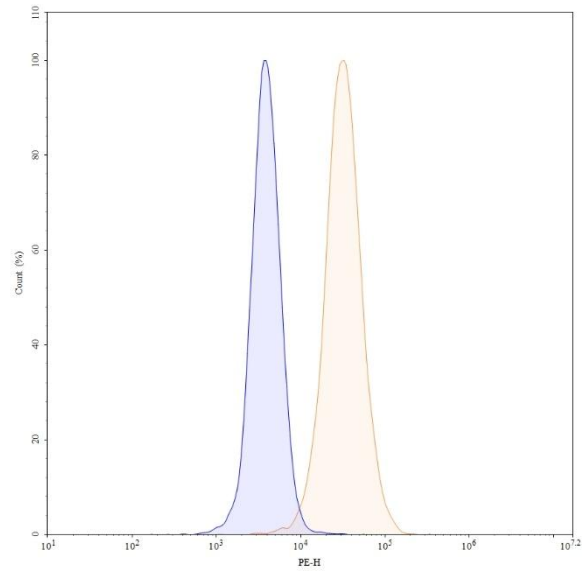
MW: Molecular Weight (kDa) Marker.

R: Reducing conditions.

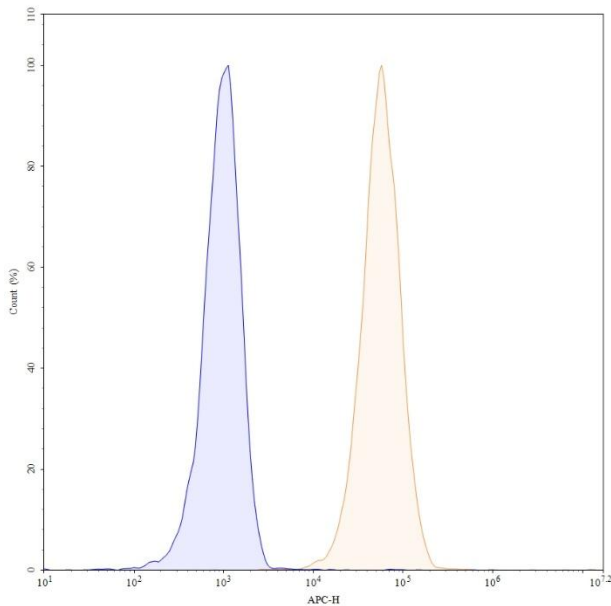
NR: Non-Reducing conditions.



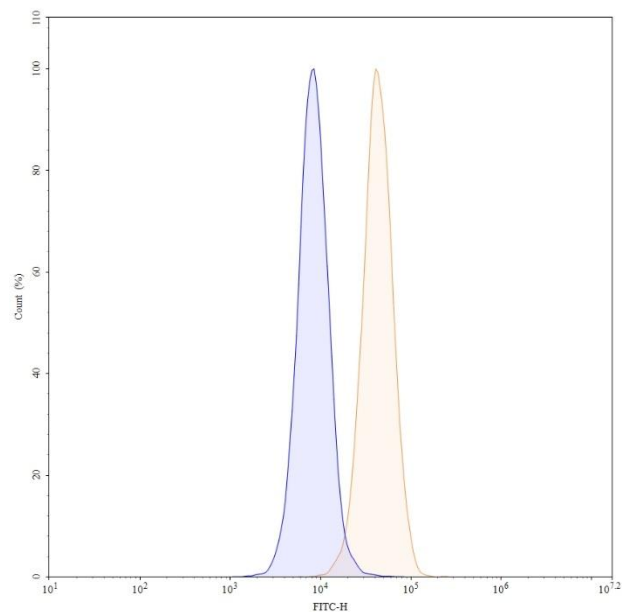
**Fig. 2. Flow-cytometry using anti-human CD274 antibody.** Untransfected cells (blue Histogram) and Transfected cells (Yellow Histogram) were stained with an anti-human CD274 monoclonal antibody at a concentration of 5 µg/ml for 30 mins at RT. After washing, bound antibody was detected using a Goat Anti-Mouse IgG H&L Polyclonal Antibody, FITC and cells analyzed on a NovoCyte Flow Cytometer.



**Fig. 3. Flow-cytometry using PE anti-human CD274 antibody.** MDA-MB-231 cells were stained with an irrelevant antibody (Blue Histogram) or an PE anti-human CD274 monoclonal antibody (Yellow Histogram) at a concentration of 5 µg/ml for 30 mins at RT. After washing, cells analysed on a NovoCyte Flow Cytometer.



**Fig. 4. Flow-cytometry using APC anti-human CD274 antibody.** MDA-MB-231 cells were stained with an irrelevant antibody (Blue Histogram) or an APC anti-human CD274 monoclonal antibody (Yellow Histogram) at a concentration of 5 µg/ml for 30 mins at RT. After washing, cells analysed on a NovoCyte Flow Cytometer.



**Fig.5. Flow-cytometry using FITC anti-human CD274 antibody.**

MDA-MB-231 cells were stained with an irrelevant antibody (Blue Histogram) or an FITC anti-human CD274 monoclonal antibody (Catalog: HV974010, Yellow Histogram) at a concentration of 5 µg/ml for 30 mins at RT. After washing, cells analysed on a NovoCyte Flow Cytometer.

**For research use only.**