

DESCRIPTION

Target:	PDCD1LG2
Target aliases:	PD-L2, CD273, B7-DC, PDL2, BA574F11.2, Btdc, PDCD1L2, B7DC
Fc isotype:	IgG2a
Membrane proteome specificity:	Monospecific for 6,000 membrane proteins tested
Species reactivity:	Human (Others untested)
Extracellular epitope:	Yes
Fc modifications:	C-terminal Avitag ¹ , disabled Fc- γ receptor binding ²
Source:	Recombinant CHO expression; purified by Protein A chromatography
Formulation:	Endotoxin Free PBS pH 7.4, sterile-filtered
Concentration:	1 mg/ml

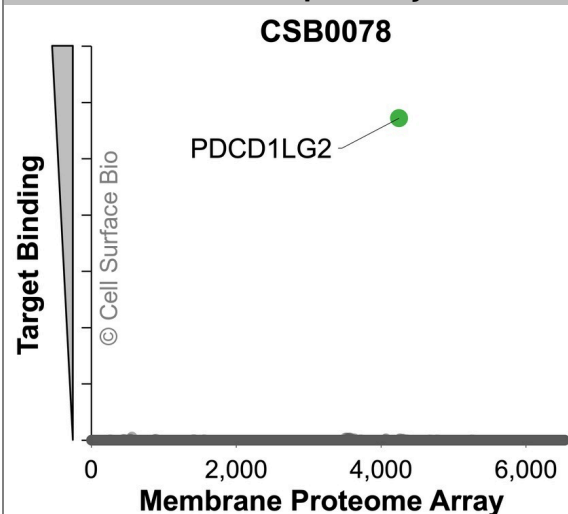
1. A peptide tag that can be biotinylated in vitro using the biotin ligase enzyme (BirA).
2. Mutated Fc- γ receptor binding site to minimize non-specific antibody binding.

PDCD1LG2 TARGET INFORMATION

PDCD1LG2 is a single-pass transmembrane protein and has a secreted isoform. PDCD1LG2 negatively regulates interferon-gamma and interleukin-10 production as well as activated T-cell proliferation. PDCD1LG2 is associated with pulmonary tuberculosis. (NCBI Gene: 80380, UniProtKB/Swiss-Prot: Q9BQ51) Other names: PD-L2, CD273, B7-DC, PDL2, BA574F11.2, Btdc, PDCD1L2, B7DC

SHIPPING AND STORAGE

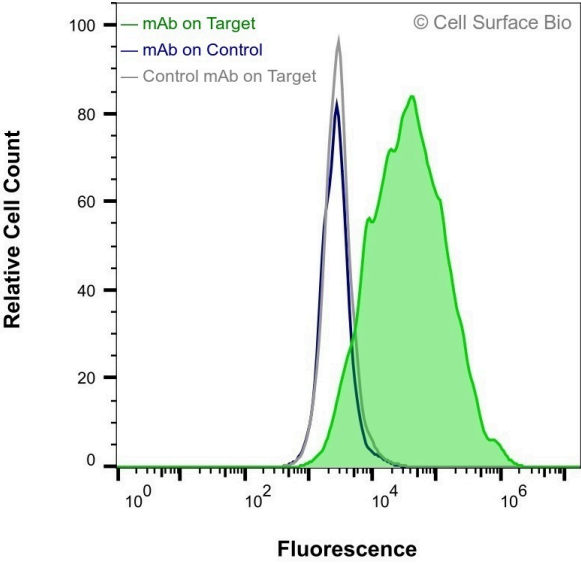
Shipping:	Shipped at ambient temperature. Store at 4°C.
Stability & Storage:	Stable for 12 months from date of receipt when stored at 4°C. Avoid repeated freeze-thaw cycles.

VALIDATION DATA
Membrane Proteome Specificity


The specificity of PDCD1LG2 Monoclonal Antibody (CSB0078) was tested on the Membrane Proteome Array™ and shown to be specific for PDCD1LG2.

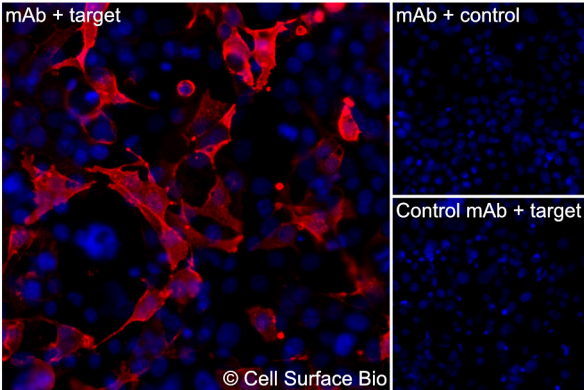
The Membrane Proteome Array™ contains 6,000 different human membrane proteins, each expressed in unfixed human cells to ensure native conformation and post-translational modifications. The Membrane Proteome Array™ represents the industry standard for determining the binding specificity of antibodies and other protein ligands.

Applications	Conditions	Recommended concentration
Flow Cytometry, Extracellular	Live, Unpermeabilized	1 µg/ml



HEK-293F cells transiently transfected with PDCD1LG2 were stained with PDCD1LG2 Monoclonal Antibody (CSB0078)(green) or isotype control antibody (gray), followed by AlexaFluor 647-conjugated anti- IgG secondary antibody. HEK-293F cells transiently transfected with an empty control vector were also stained with PDCD1LG2 Monoclonal Antibody (CSB0078)(blue).

Applications	Conditions	Recommended concentration
Immunofluorescence, Extracellular	Fixed 4% paraformaldehyde	1 µg/ml



(Left) COS-7 cells transiently transfected PDCD1LG2 were stained with PDCD1LG2 Monoclonal Antibody (CSB0078) followed by AlexaFluor 647 anti- IgG secondary antibody (red) and DAPI (blue). (Top right) COS-7 cells transiently transfected with an empty control vector stained with PDCD1LG2 Monoclonal Antibody. (Bottom right) Isotype control: COS-7 cells transfected with PDCD1LG2 and stained with control MAb.

Applications

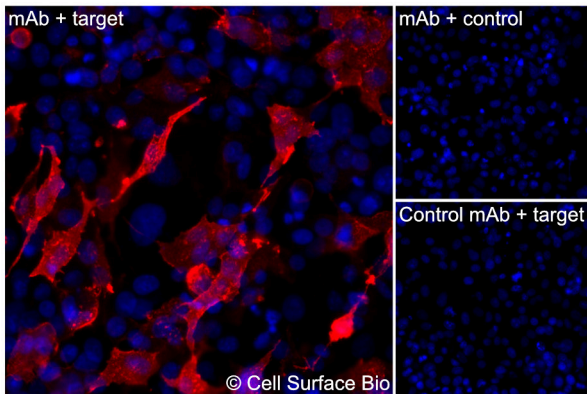
Immunofluorescence, Intracellular

Conditions

Fixed 4 % paraformaldehyde,
Permeabilized 0.1% Triton X-100

Recommended concentration

1 µg/ml



(Left) COS-7 cells transiently transfected PDCD1LG2 were permeabilized and stained with PDCD1LG2 Monoclonal Antibody (CSB0078) followed by AlexaFluor 647 anti- IgG secondary antibody (red) and DAPI (blue). (Top right) COS-7 cells transiently transfected with an empty control vector stained with PDCD1LG2 Monoclonal Antibody. (Bottom right) Isotype control: COS-7 cells transfected with {{target}} and stained with control MAb.