9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

36-3404: Anti-PD-L2 / PDCD1LG2 / CD273 Monoclonal Antibody(Clone: PDL2/1850)

Clonality :	Monoclonal
Clone Name :	PDL2/1850
Application :	FACS
Reactivity :	Human
Gene :	PDCD1LG2
Gene ID :	80380
Uniprot ID :	Q9Q51
Alternative Name :	B7 dendritic cell molecule; B7-DC; B7DC; Btdc; Butyrophilin B7DC; CD273; PD-L2; PDCD1L2; PDCD1LG2; PDL2; Programmed death ligand 2
Isotype :	Mouse IgG1, kappa
Immunogen Information :	Recombinant fragment (around aa 27-220) of human PD-L2 protein (exact sequence is proprietary)

Description

Recognizes a protein of about 31kDa, which is identified as PD-L2 (same as PDCD1LG2). Engagement of CD28 by B7-1 (CD80) or B7-2 (CD86) in the presence of antigen promotes T cell proliferation, cytokine production, differentiation of effector T cells and the induction of Bcl-x, a promoter of T cell survival. Conversely, engagement of CTLA4 by B7-1 or B7-2 may inhibit proliferation and IL-2 production. PD-L2 does not bind CD28, cytotoxic T lymphocyte A4 or ICOS (inducible co-stimulator). The constitutive expression of PD-L1 and PD-L2 on parenchymal cells of heart, lung and kidney sÂµggests that the Pdcd-1-Pdcd-L system could provide unique negative signaling to help prevent autoimmune disease.

Product Info

Amount :	20 µg / 100 µg
Content :	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage condition :	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

Application Note

Flow Cytometry (1-2ug/million cells),

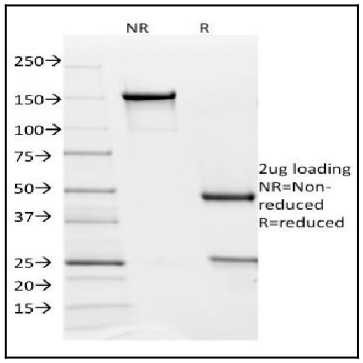

Fig. 1: SDS-PAGE Analysis Purified PD-L2 Mouse Monoclonal Antibody (Z64P2D3*H4). Confirmation of Purity and Integrity of Antibody.

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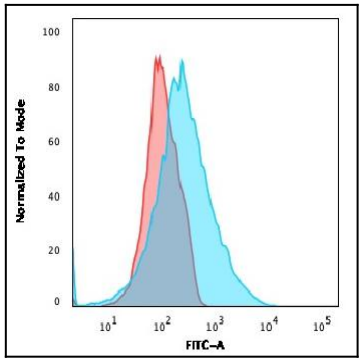

Fig. 2: Flow Cytometric Analysis of Jurkat cells using PD-L2 Mouse Monoclonal Antibody (Z64P2D3*H4) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).