

Anti-PD-L1 [29E.2A3] Standard Size Ab03452-10.0

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG2b format for improved compatibility with existing reagents assays and techniques.

Isotype and Format: Human IgG1, Kappa

Clone Number: 29E.2A3

Alternative Name(s) of Target: CD274; PDL1; B7-H1; B7H1; B7 homolog 1; hPD-L1; PDCD1L1; PDCD1LG1; PDCD1 ligand 1; Programmed cell death 1 ligand 1; Programmed death ligand 1

UniProt Accession Number of Target Protein: Q9NZQ7

Published Application(s): Blocking, FC, IHC

Published Species Reactivity: Human

Immunogen:

Specificity: This antibody binds human PD-L1.

Application Notes: The original format of the antibody was able to block the interaction between PD-L1 on the 300.19-hPD-L1 cells and B7-1 on the plate and the interaction between PD-L1 on the 300.19-hPD-L1 cells and PD-1 on the plate (Butte et al., 2008; PMID: 18585785). This antibody was used for detection of PD-L1 expressed in 293T cells by flow cytometry (Broos et al. 2019, PMID: 31394834). The humanized version of the antibody was constructed (AU2019201688). Immunohistochemical staining of frozen tissue sections was performed using the antibody to stain thymic epithelia (Brown et al., 2003; PMID: 12538684).

Antibody First Published in: Latchman et al. PD-L2 is a second ligand for PD-1 and inhibits T cell activation Nat Immunol. 2001 Mar;2(3):261-8. doi: 10.1038/85330. [PMID:11224527](#)

Note on publication: The original paper describes the generation and characterization of the antibody.

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.