

Anti-PD-L1 [29E.2A3] Bulk Size Ab03452-10.3-BT

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

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, Fc Silent™, 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: 1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. 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.