

Anti-PD-L1 [332M7] Bulk Size Ab02428-3.3-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 mouse antibody was made using the variable domain sequences of the original Human IgG1 format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Mouse IgG2b, [Fc Silent™](#), Kappa

Clone Number: 332M7

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): Block, FC

Published Species Reactivity: Human, Cynomolgus Monkey, Mouse

Immunogen: The original parental antibody 332M1 was generated by immunizing BALB/c mice with recombinant human PD-L1. Later on the humanized version of 332M1 was generated (332M7) by grafting the CDRs of the original mouse antibody onto human framework regions.

Specificity: This antibody strongly binds human and cynomolgus monkey PD-L1 and shows weak binding for mouse PD-L1. PD-L1 is highly expressed in many human tumors. . PD-L1 exerts an immune suppressive signal through binding to PD-1 and B7.1, and tumor expression of PD-L1 can mediate cancer immune evasion. Blocking this pathway, therefore provides a rationale for cancer immunotherapy.

Application Notes: The binding characterization of this antibody towards human, mouse and cynomolgus monkey PD-L1 was done using flow cytometry. This antibody was shown to block the binding of hPD-1-Fc protein to hPD-L1 expressed on the surface of the HEK-293T cells at a concentration of 10 µg/ml. The mouse version of this antibody was reported to inhibit patient derived melanoma tumor in tumor-bearing mice. There was also found an increase in the gene expression of CD8 and IFN-γ in tumor samples from mice treated with mouse version of this antibody (US20180346571).

Antibody First Published in: US20180346571 [PMID:](#)

Note on publication:

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.