Anti-PD-L1 [332M7] Standard Size Ab02428-23.0

> This chimeric rabbit 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: Rabbit IgG, 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: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

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

20ºC.
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.