

## Anti-PD-L1 [332M7] Bulk Size Ab02428-10.3-BT

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

**Isotype and Format:** Human IgG1, 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.