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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-PD-L1 [mAb #18 (PD-L1.A)] Standard Size Ab03505-10.3

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 format for improved compatibility with existing reagents assays and techniques.

Isotype and Format: Human IgG1, Fc Silent™, Kappa

Clone Number: mAb #18 (PD-L1.A)

Alternative Name(s) of Target: mAb #18; 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): in vivo, inhibition, SPR, WB

Published Species Reactivity: Human

Immunogen: The original antibody was generated by immunizing BALB/c mice with PD-L1.

Specificity: This antibody binds human PD-L1.

Application Notes: The antibody could significantly inhibit the binding of PD-1 and PD-L1 at the cellular level. The humanized version of the antibody was constructed. The humanized version of the antibody detected the PD-L1 by western blot analysis. The binding affinity of the mouse and humanized version of the antibody to PD-L1 was measured by surface plasmon resonance, the affinity was respectively 8.81 nM 7.77 nM. In vivo studies demonstrated that the humanized version of the antibody could effectively inhibit tumour growth showing potential tumour therapeutic value (CN109232740). This antibody was also used in the generation of a bispecific antibody (BsAb) in a dual-variable-domain immunoglobulin (DVD-Ig) format targeting CD47 and PD-L1. The variable-domain from the PD-L1-blocking mAb #18 was introduced in tandem onto h4C1 to generate a dual variable domain bsAb that binds bivalently to both CD47 and PD-L1. This BsAb retained blocking activity for both interactions, but lacked the hemagglutinating activity of the parental m4C1 (Shi et al.; 2020; PMID: 32296041; Kaur et al.; 2020; PMID: 33244513).

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

Note on publication:

Product Form

Size:

100 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.