



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Anti-PD-L1 [mAb #18 (PD-L1.A)] Standard Size Ab03505-1.1

This chimeric mouse antibody was made using the variable domain sequences of the original format for improved compatibility with existing reagents assays and techniques.

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