



# 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-1 [6#] Bulk Size Ab03805-10.3-BT

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

This is a reformatted human IgG1 Fc Silent Fc Silent™ antibody, based on the original human IgG1 format, created for improved compatibility with existing reagents, assays and techniques.

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

**Clone Number:** 6#

**Alternative Name(s) of Target:** CD279; Programmed cell death protein 1; PDCD1; PD-1; hPD-1; Human programmed cell death receptor-1

**UniProt Accession Number of Target Protein:** Q15116

**Published Application(s):** Blocking, inhibition, SPR, ELISA

**Published Species Reactivity:** Human

**Immunogen:** The original antibody was generated by immunizing BALB/c mice with PD-1.

**Specificity:** The antibody is specific for PD-1. PD-1 is a type I membrane protein with 288 amino acids, and is one of the main known immune checkpoints. PD-1 is expressed in activated T lymphocytes, and it binds ligands PD-L1 and PD-L2.

**Application Notes:** The specificity of the original format of the antibody was confirmed by ELISA analysis. The original format and the humanized version of the antibody were capable of blocking the binding of PD-1 and PD-L1. The antibody was able to activate the T cells under in vitro culture conditions and promote the production of IFN- $\gamma$ , thereby enhancing their T cell immune function. The binding affinity of the murine and humanized versions of the antibody to PD-1 were measured by surface plasmon resonance ( $K_d = 6.74 \times 10^{-10}$  M and  $8.07 \times 10^{-10}$  M respectively). The antibody blocked the interactions between PD-1 and PD-L1. The antibody inhibited tumor growth in NCG mouse models of non-small cell lung cancer and colorectal cancer tumors (CN107043420B).

**Antibody First Published in:** 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.