



# 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 [1G4] Standard Size Ab03364-10.0

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG4 format for improved compatibility with existing reagents assays and techniques.

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

**Clone Number:** 1G4

**Alternative Name(s) of Target:** CD279; PD1; PD 1; hPD-1; PDCD1; Programmed cell death protein 1; Programmed cell death 1; Protein PD-1; 41-1G4; 1G4-mHvKv

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

**Published Application(s):** therapeutic, ELISA, FC

**Published Species Reactivity:** Human, Rhesus Monkey

**Immunogen:** The original antibody was generated by immunizing 6-8 weeks old female BALB/c mice with his-tagged human PD-1 protein.

**Specificity:** This antibody binds human PD-1 protein. PD-1 acts as an inhibitory receptor on antigen activated T-cells that plays a critical role in induction and maintenance of immune tolerance to self. It delivers inhibitory signals upon binding to ligands CD274/PDCD1L1 and CD273/PDCD1LG2.

**Application Notes:** The initial binding characterization of the antibody was done using ELISA. The binding reactivity of this antibody to human, mouse and rhesus monkey PD-1 expressed on CHO cells was determined using flow cytometry. This antibody was shown to cross react with human and rhesus monkey PD-1 and not mouse PD-1. The binding affinity of the original mouse IgG4 antibody for human PD-1 was determined using surface plasmon resonance and was found to be  $K_d = 1.07$  nM. The anti-tumor effect of this antibody was tested in vivo in a mouse colon cancer model. Murine MC-38 cells (colon adenocarcinoma cells) were injected subcutaneously in B-hPD-1 mice and treated with this antibody. It was reported that this antibody showed good tumor inhibitory effect (CN111763257).

**Antibody First Published in:** [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 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.