



# 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] Bulk Size Ab03364-10.3-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 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, Fc Silent™, 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:**

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.