



# 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 [1H3] Bulk Size Ab04356-1.1-BT

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

**Clone Number:** 1H3

**Alternative Name(s) of Target:** CD279; PD1; PD 1; Programmed cell death protein 1; Programmed cell death 1; pdcd1; Protein PD-1; hPD-1

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

**Published Application(s):** Blocking, neutralizing, ELISA, FC

**Published Species Reactivity:** Human

**Immunogen:** The original antibody was generated by immunizing mice with human PD-1-Fc.

**Specificity:** The antibody binds specifically to PD-1.

**Application Notes:** The original format of the antibody was able to bind to PD-1 expressed on the surfaces of CHO cells, as measured by median fluorescence intensity. The antibody exhibited neutralizing activity and recognized antigen. CHO cells transfected with human full length PD-1 were pre-incubated with the human chimeric version of the antibody and stained by biotin-labeled anti-hB7-H1-Fc or anti-hB7-DC mFc. The antibody could bind to the cells and block binding of B7-H1-Fc and B7-DC-Fc to cells expressing human PD-1. The chimeric version of the antibody exhibited an affinity KD of 2.19 nM. The EC50 of the construct was found to be 75 ng. The chimeric antibody demonstrated enhanced binding to both CD8 and CD4 cells. The chimeric version of the antibody was found to mediate approximately a 7-fold increase in T cell proliferation and approximately a 12 fold increase in IFN- $\gamma$  production per cell. Humanized versions of the antibody were constructed. The specificity of the antibodies was confirmed by ELISA. The humanized antibodies could block interactions between PD-1-expressing HEK293 cells and B7-H1 (US11236141B2).

**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.