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### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## Data Sheet

### Anti-PD-1

Recombinant, Murine/Human Monoclonal  
Anti-PD-1

**Catalog #:** 71120

**Lot #:** 160420 **Conc.:** 1.47 mg/ml

**Host Species | Isotype:**

Murine/Human | IgG1k

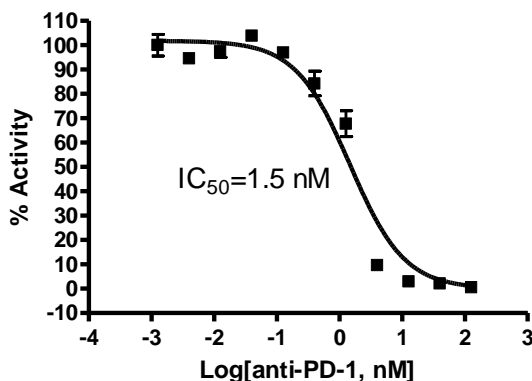
**Formulation:** Sterile filtered in 8 mM phosphate pH7.4 110 mM NaCl, 2.2 mM KCl, and 20% glycerol.

**Stability:** Stable for at least 12 months at -80°C. *Avoid freeze/thaw cycles. Store diluted antibody with carrier protein (BSA 0.1 – 0.5%) at 4°C, stable for 2 weeks.*

**References:**

1. Shinohara, T., *et al.*, *Genomics*. 1994 Oct;**23(3)**:704-6.
2. James, E.S., *et al.*, *Genes Immun*. 2005 Aug;**6(5)**:430-7.

**Image(s):**



**Description:** Neutralizing recombinant murine/human chimeric antibody recognizing the PD-L1/PD-L2 binding region of human PD-1. This antibody does not cross-react with mouse PD-1, but does cross-react with monkey (*M. fascicularis*) PD-1. It has not been tested with other species.

**IC50:** 1.5 nM using the PD-1[Biotinylated]:PD-L1 Inhibitor Screening Assay Kit (BPS Cat. #72005).

**Assay Conditions:** Antibody was added to PD-1[Biotinylated]:PD-L1 or PD-1[Biotinylated]:PD-L2 binding assay at various concentrations. Assay was performed according to the protocol in BPS Cat. #72005 or #72006, respectively.

**Purification:** Protein A affinity chromatography from HEK293 supernatants.

**Application:** Useful for inhibition of PD-1:PD-L1 and PD-1:PD-L2 interactions

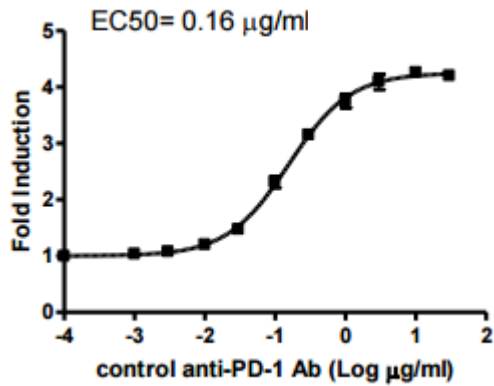
**Figure 1.** Wells were coated with 100 ng of PD-L1 (BPS Cat. #71104). 10 ng of PD-1, Biotin-labeled (BPS Cat. #71109) and varying concentrations of PD-1 Neutralizing Antibody (BPS Cat. #71120) were added and plate was incubated at room temperature for 2 hours. Straptavidin-HRP was added, followed by HRP substrate and chemiluminescence was read.

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6042 Cornerstone Court W, Ste B  
San Diego, CA 92121  
**Tel:** 1.858.829.3082  
**Fax:** 1.858.481.8694  
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**Figure 2.** PD-1 antibody was confirmed to neutralize PD-1 mediated NFAT suppression using BPS PD-1 Reporter Cell Line (BPS Cat. #60535)

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