

Data Sheet

PD-1 Neutralizing Antibody

Recombinant, Murine/Human Monoclonal Anti-PD-1

Catalog #: 1FFHF

Lot #: 140213-D **Conc.:** 0.58 mg/ml

Host Species | Isotype:

Murine/Human | IgG1k

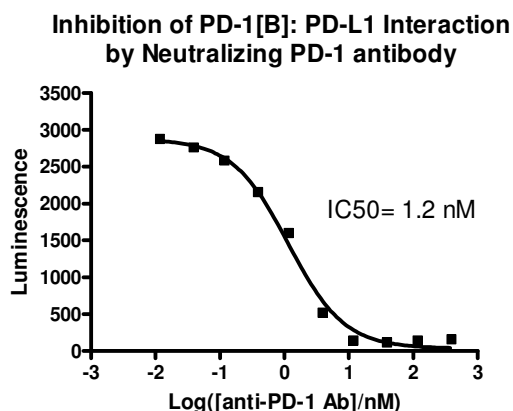
Formulated in: 40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, and 20% glycerol

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 has not been tested for cross-reactivity with other species.

IC50: 1.2 nM using the PD-1[Biotinylated]:PD-L1 Inhibitor Screening Assay Kit (Y¹⁰⁰ Cat. #w82016). 4.7 nM using the PD-1[Biotinylated]:PD-L2 Inhibitor Screening Assay Kit (West Bioscience Cat. #w82017).

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 West Bioscience Cat. #w82016 or #w82017, 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 (WestBio Cat. #w81115). 10 ng of PD-1, Biotin-labeled (WestBio Cat. #w81120) and varying concentrations of PD-1 Neutralizing Antibody (WestBio Cat. #w81131) 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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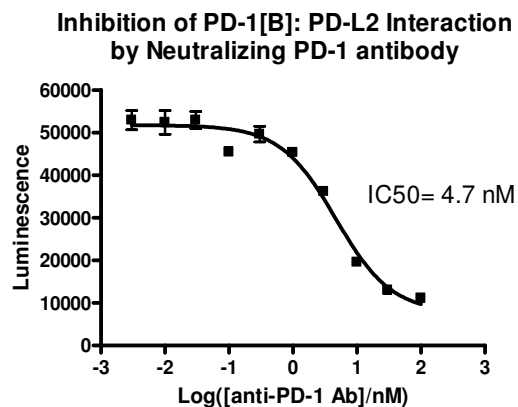


Figure 2. Wells were coated with 100 ng of PD-L2 (WestBio Cat. #w81118). 10 ng of PD-1, Biotin-labeled (WestBio Cat. #w81120) and varying concentrations of PD-1 Neutralizing Antibody (WestBio Cat. #w81131) were added and plate was incubated at room temperature for 2 hours. Straptavidin-HRP was added, followed by HRP substrate and chemiluminescence was read.

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