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Data Sheet

Anti-PD-1 (S228P) Neutralizing Antibody

Recombinant, Humanized Monoclonal
Anti-PD-1

Catalog #: 71326

Lot #: 150414 **Conc.:** 1.03 mg/ml

Host Species | Isotype:

Human | IgG4

Formulated in: 8 mM phosphate, pH 7.4,
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;
23(3): 704-6.
2. James, E.S., *et al.*, *Genes Immun*. 2005;
6(5): 430-7.

Description: Humanized recombinant anti-PD-1 (IgG4) neutralizing antibody with S228P mutation, expressed in HEK293 cells. This antibody has not been tested with other species.

Background: This antibody binds and blocks the activation of the PD-1 receptor. The antibody is humanized, containing a human IgG4 Fc region with an engineered hinge region mutation (S228P) designed to prevent the exchange of IgG4 molecules. This antibody is equivalent to Nivolumab, which has been approved by the FDA for the treatment of melanoma and metastatic squamous non-small cell lung cancer.

Purification: Protein A affinity chromatography from HEK293 supernatants.

Applications: Useful for inhibition of PD-1:PD-L1 and PD-1:PD-L2 interactions and for western blot analysis.

Images:

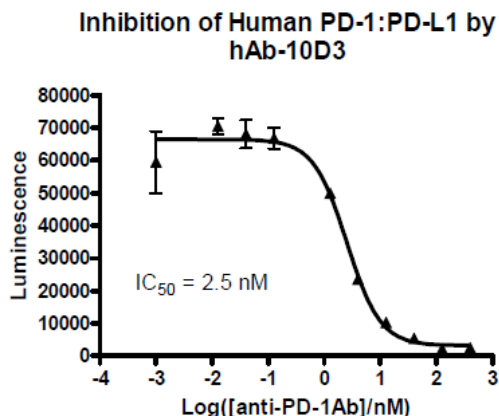


Figure 1: Antibody was added to PD-1: PD-L1 [Biotinylated] binding assay at various concentrations. Assay was performed according to the protocol in BPS Cat. #72005 or #72006, respectively.

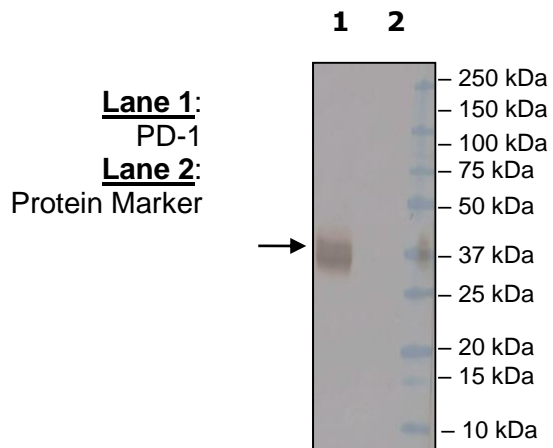
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Western Blot



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