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.

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.

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.

References:
Western Blot

Lane 1: PD-1
Lane 2: Protein Marker

1 2

- 250 kDa
- 150 kDa
- 100 kDa
- 75 kDa
- 50 kDa
- 37 kDa
- 25 kDa
- 20 kDa
- 15 kDa
- 10 kDa

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