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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-PD-1 [6#] Standard Size Ab03805-10.0

Isotype and Format: Human IgG1, Kappa

Clone Number: 6#

Alternative Name(s) of Target: CD279; Programmed cell death protein 1; PDCD1; PD-1; hPD-1; Human programmed cell death receptor-1

UniProt Accession Number of Target Protein: Q15116

Published Application(s): Blocking, inhibition, SPR, ELISA

Published Species Reactivity: Human

Immunogen: The original antibody was generated by immunizing BALB/c mice with PD-1.

Specificity: The antibody is specific for PD-1. PD-1 is a type I membrane protein with 288 amino acids, and is one of the main known immune checkpoints. PD-1 is expressed in activated T lymphocytes, and it binds ligands PD-L1 and PD-L2.

Application Notes: The specificity of the original format of the antibody was confirmed by ELISA analysis. The original format and the humanized version of the antibody were capable of blocking the binding of PD-1 and PD-L1. The antibody was able to activate the T cells under in vitro culture conditions and promote the production of IFN- γ , thereby enhancing their T cell immune function. The binding affinity of the murine and humanized versions of the antibody to PD-1 were measured by surface plasmon resonance ($K_d = 6.74 \times 10^{-10}$ M and 8.07×10^{-10} M respectively). The antibody blocked the interactions between PD-1 and PD-L1. The antibody inhibited tumor growth in NCG mouse models of non-small cell lung cancer and colorectal cancer tumors (CN107043420B).

Antibody First Published in: [PMID:](#)

Note on publication:

Product Form

Size: 100 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. 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.