

Catalog	Unit
TBS10312-0.5MG	0.5 mg
TBS10312-1MG	1 mg
TBS10312-5MG	5 mg

Description

InVivoMAb Anti-Human Cluster of Differentiation 279 (CD279) antibody is a fully human monoclonal antibody targeting Programmed Cell Death Protein 1 (PD-1), isolated from the synthetic AMG phage display library. It binds a novel epitope on PD-1 and induces an unusual conformational change at the receptor’s N-terminus. Despite limited overlap with the natural ligand-binding site, CD279 effectively blocks PD-1 interaction with Programmed Death-Ligand 1 (PD-L1) and Programmed Death-Ligand 2 (PD-L2) through steric hindrance. The antibody shows high-affinity binding, recognizes PD-1 on activated human T cells, and cross-reacts with Cynomolgus monkey PD-1.

Synonyms

Anti-PD-1 antibody, anti-CD279 antibody, Programmed Cell Death Protein 1 antibody, PDCD1 antibody.

Product Details

- Applications:** ELISA, Neutralization
- Species reactivity:** Human
- Host:** Mouse
- Isotype:** IgG2a
- Target:** Programmed cell death protein 1, Protein PD-1, hPD-1, PD1, PDCD1, CD279.
- Uniprot:** Q15116
- Concentration:** 3 mg/ml
- Purity:** >95%
- Formulation:** Liquid
- Storage buffer:** 0.01M PBS, pH 7.4
- Purification:** Protein A/G purified from cell culture supernatant.
- Clonality:** Monoclonal
- Storage:** Avoid repeated freeze-thaw cycles. Store at -20°C up to 12 months, -80°C long-term.

Data Image

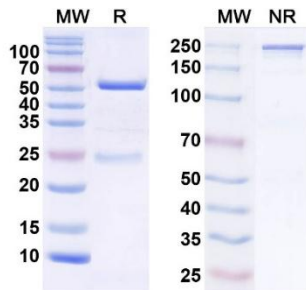


Fig. 1. SDS-PAGE analysis of Anti-Human CD279 antibody

MW: Molecular Weight (kDa) Marker
 R: Reducing conditions
 NR: Non-Reducing conditions

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