

# Nivolumab Biosimilar - Research Grade

**Product Code:** ICH4009

**Bulk Nivolumab Biosimilar - Research Grade**

## Product Specific Citations:

[Narsimhan et al. Mobile Affinity Selection Chromatography Analysis of Therapeutic Monoclonal Antibodies. Analytical Chemistry](#)

## Product Benefits:

ichorbio's Nivolumab Biosimilar - Research Grade is manufactured in a cGMP compliant facility. Click [here](#) to view ichorbio's complete list of anti-PD-1 antibodies and biosimilars.

## Size:

ichorbio's research grade nivolumab biosimilar is available in the following sizes: 5mg, 10mg, 20mg, 50mg, 100mg ichorbio regularly manufactures bulk multi-gram amounts of our nivolumab biosimilar - please contact us for pricing.

## Target:

PD-1

## Clone:

n/a

## Isotype:

IgG4 (S228P) kappa

## Other Names:

Programmed cell death protein 1, Pdc1, CD279

## Host:

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Humanized

**Species Reactivity:**

Human

**Specificity:**

Detects human PD-1.

**Purification Method:**

This monoclonal antibody was purified using multi-step affinity chromatography methods such as Protein A or G depending on the species and isotype.

**Background:**

Nivolumab biosimilar is a human monoclonal antibody that blocks the interaction between PD-1 and its ligands, PD-L1 and PD-L2. Nivolumab is an IgG4 kappa immunoglobulin that has a calculated molecular mass of 146 kDa. It is expressed in a recombinant Chinese Hamster Ovary (CHO) cell line.

**Concentration:**

1.0 - 5.0 mg/ml

**Formulation:**

Sterile, preservative-free, pyrogen-free, clear to milky white, colorless to pale yellow liquid, containing mannitol, gadopentetate, polysorbate 80, sodium chloride and sodium citrate dihydrate, pH value 6.0. BSA and Azide free.

**Purity:**

>95% by SDS-PAGE and HPLC

**Endotoxin:**

≤ 0.75 EU/mg as determined by the LAL method

**Storage:**



This antibody is stable for at least 4 weeks when stored at 2-8°C. For long term storage, aliquot in working volumes without diluting and store at - 20°C or -80°C. Avoid repeated freeze thaw cycles.

**Applications:**

Functional Assays

**Application Notes:**

Each investigator should determine their own optimal working dilution for specific applications.

**Isotype Control:** [Bulk Human IgG4 Isotype Control S228P \(IB4\) \[ICH2257S228P\]](#) **Use:** ichorbio's nivolumab biosimilar is for research use only (RUO). **Isotype Control:**

[Bulk Human IgG4 Isotype Control \(IB4\) \[ICH2257\]](#)