



# **Product Datasheet**

# Anti-PD-1 [5C4.B8 (Nivolumab)] (orb1821656)

Catalog Number	orb1821656
Description	Anti-PD-1 [5C4.B8 (Nivolumab)]
Species/Host	Human
Reactivity	Human, Monkey
Conjugation	Unconjugated
Tested Applications	Blocking, FC, IHC, SBR
Immunogen	mAb PD1.5 was prepared by immunizing IgH and IgK knock-out transgenic mice possessing a human immunoglobulin (heavy chain) minilocus with recombinant human PD-1-Fc protein consisting of the extracellular domain of PD-1 (amino acids 1–167) and the Fc portion of human IgG1, and Chinese hamster ovary (CHO) cells expressing human PD-1. Nivolumab was generated by grafting the variable regions of PD1.5 onto human kappa and IgG4 constant regions containing an S228P mutation (prevents Fab arm exchange with endogenous IgG4 antibodies).
Target	PD-1
Preservatives	PBS with 0.02% Proclin 300.
Concentration	1 mg/ml
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at - 20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
lsotype	Human IgG1
Clonality	Monoclonal
Clone Number	5C4.B8 (Nivolumab)

### **Biorbyt Ltd.**

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### **Uniprot ID**

## Q15116

# **Expiration Date**

12 months from date of receipt.



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C1-A :: AF488

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Flow-cytometry using anti-PD-1 antibody Nivolumab Cynomolgus monkey lymphocytes were stained with an isotype control (orb256390, red) or the rabbit-chimeric version of Nivolumab (orb1821655, blue) at a concentration of 1 µg/ml for 30 mins at RT. After washing, bound antibody was detected using a AF488 conjugated donkey anti-rabbit antibody and cells analysed on a FlowJo single-cell flow cytometer.

Flow-cytometry using anti-PD-1 antibody Nivolumab Rhesus monkey lymphocytes were stained with an isotype control (orb256390, red) or the rabbit-chimeric version of Nivolumab (orb1821655, blue) at a concentration of 1 µg/ml for 30 mins at RT. After washing, bound antibody was detected using a AF488 conjugated donkey anti-rabbit antibody and cells analysed on a FlowJo single-cell flow cytometer.

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