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Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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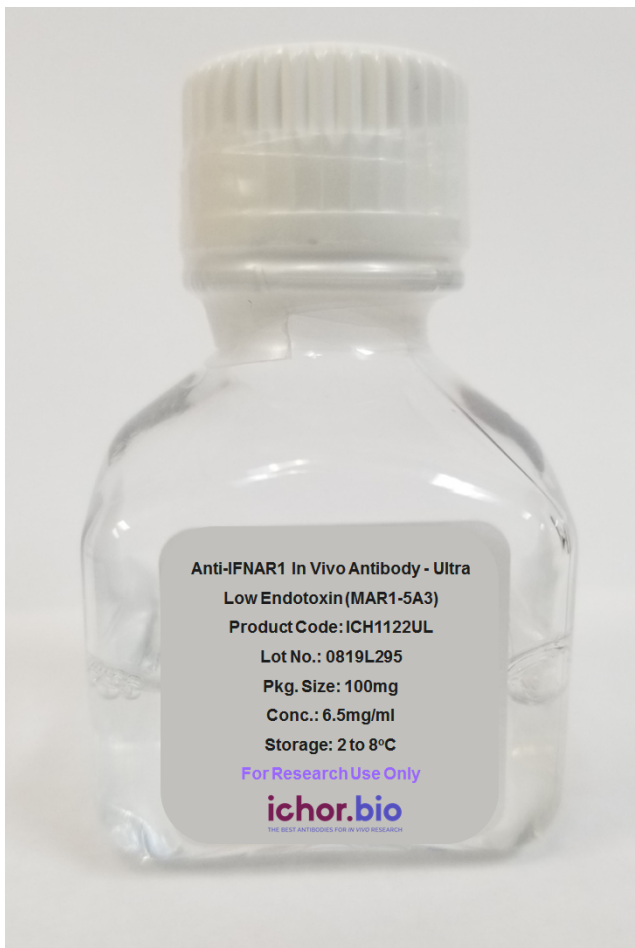
www.szabo-scandic.com

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Anti-Mouse PD-1 In Vivo Antibody - Low Endotoxin (29F.1A12) [ICH1091]

SKU: ICH1091

Link: <https://www.ichor.bio/product/anti-pd-1-in-vivo-antibody-low-endotoxin-29f-1a12-ich1091/>



Product Information

Category: anti-mouse, anti-rat, Low Endotoxin, Ultra Low Endotoxin

Size: 1mg, 5mg, 25mg, 50mg, 100mg

Endotoxin Level: Low, Ultra low

Product Description

Product Benefits:

ichorbio's anti-PD-1 In Vivo Antibody - Low Endotoxin (29F.1A12) is manufactured in a cGMP compliant facility. ichorbio's low endotoxin antibodies have half the endotoxin of comparable antibodies from our competitors (<http://www.ichor.bio/comparing-ichorbio-to-bio-x-cell-biolegend/>) at less than 1.0 EU/mg. If ichorbio's low endotoxin antibodies are not low enough we also offer ultra low endotoxin antibodies which have even less endotoxin (<0.75EU/mg) at an even higher purity (98% versus 95%). ichorbio offers Amazon vouchers or donations to the NC3Rs for reviews of this product: click [here](http://www.ichor.bio/amazon-vouchers/) (<http://www.ichor.bio/amazon-vouchers/>) for more information. ichorbio: the best antibodies for *in vivo* research.

Target:

PD-1

Clone:

29F.1A12

Isotype:

Rat IgG2a

Other Names:

Programmed cell death protein 1, Pcd1, CD279

Uniprot:[Q02242 \(https://www.uniprot.org/uniprot/Q02242\)](https://www.uniprot.org/uniprot/Q02242)**Host:**

Rat

Species Reactivity:

Mouse, Rat

Specificity:

Anti-PD-1 In Vivo Antibody - Low Endotoxin (29F.1A12) recognizes an epitope on Mouse PD-1. Despite its predicted molecular weight, PD-1 often migrates at higher molecular weight in SDS-PAGE.

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.

Antigen Distribution:

Induced on splenic T and B lymphocytes, thymocytes, and myeloid cells after stimulation. Subset of double negative thymocytes, activated T and B cells

Background:

Programmed death-1 (PD-1), also know as CD279 is a 50-55 kD glycoprotein belonging to the CD28 family of the Ig superfamily. PD-1 is transiently expressed on CD4 and CD8 thymocytes as well as activated T and B lymphocytes and myeloid

cells. Like the clones RMP1-14 and J43 antibodies, the 29F.1A12 antibody has been shown to block the binding of PD-1 to its ligands in vivo.

Immunogen:

PD-1 cDNA followed by PD-1-Ig fusion protein

Concentration:

1.0 - 5.0 mg/ml

Formulation:

0.01 M phosphate buffered saline (PBS) pH 7.2, 150 mM NaCl with no carrier protein, potassium or preservatives added. BSA and Azide free.

Purity:

>95% by SDS-PAGE and HPLC

>98% by SDS-PAGE and HPLC

Endotoxin:

≤ 1.0 EU/mg as determined by the LAL method

≤ 0.75 EU/mg as determined by the LAL method

Aggregation:

Aggregation level ≤ 5%

Aggregation level ≤ 1%

IMPACT Pathogen Test:

We use the IMPACT test generated by IDEXX Laboratories to guarantee our Ultra Low Endotoxin antibodies are pathogen free. Our rat antibodies are tested for: Mycoplasma spp Mycoplasma pulmonis Pneumonia virus of mice Kilham's rat virus Toolan's H1 virus Rat parvovirus Lymphocytic choriomeningitis virus Rat cytomegalovirus Sendai virus Rat coronavirus Sialodacryoadenitis virus Rat minute virus Seoul virus Mouse adenovirus Reovirus 3 Rat theilovirus

Storage:

anti-PD-1 In Vivo Antibody - Low Endotoxin (29F.1A12) is stable when stored at 2-8°C for at least four (4) weeks. For long-term storage aseptically aliquot in working volumes without diluting and store at -80°C. Avoid Repeated Freeze Thaw Cycles.

Applications:

Flow Cytometry, Western Blot, Blocking

Application Notes:

Western Blotting: To detect Mouse PD-1 this antibody can be used at a concentration of 30 µg/ml. **Blocking:** The 29F.1A12 antibody has been shown to block the binding of PD-1 to its ligands in vivo. For immune checkpoint antibodies 200 ug per mouse per injection is the standard dosage in the literature. **NOTE:** The response is model dependent. We have seen some tumor lines in mice that grow progressively. If we treat the animal with anti-PD-1 (days 3,6,9 @ 200 ug per

animal per injection) then the tumor will regress, and disappear. Each investigator should determine their own optimal working dilution for specific applications.

Use:

Products are for research use only. Not for use in diagnostic or therapeutic procedures.

Isotype Control:

Rat IgG2a In Vivo Isotype Control - Low Endotoxin [1-1] (ICH2244)

(<http://www.ichor.bio/product/Rat-IgG2a-In-Vivo-Isotype-Control-Low-Endotoxin-1-1-ICH2244>)

Related Antibody:

Anti-PD-1 In Vivo Antibody - Ultra Low Endotoxin [29F.1A12] (ICH1091UL)

(<http://www.ichor.bio/product/Anti-PD-1-In-Vivo-Antibody-Low-Endotoxin-29F.1A12-ICH1091>)

Antibodies against the same target:

Anti-PD-1 In Vivo Antibody - Low Endotoxin [J43] (ICH1116)

(<http://www.ichor.bio/product/Anti-PD-1-In-Vivo-Antibody-Low-Endotoxin-J43-ICH1116>), Anti-PD-1 In Vivo Antibody - Low Endotoxin [RMP1-14] (ICH1132)

(<http://www.ichor.bio/product/Anti-PD-1-In-Vivo-Antibody-Low-Endotoxin-RMP1-14-ICH1132>), Anti-PD-1 In Vivo Antibody - Ultra Low Endotoxin [RMP1-14]

([ICH1132UL](http://www.ichor.bio/product/Anti-PD-1-In-Vivo-Antibody-Low-Endotoxin-RMP1-14-ICH1132)) (<http://www.ichor.bio/product/Anti-PD-1-In-Vivo-Antibody-Low-Endotoxin-RMP1-14-ICH1132>)