ichorbio

Rat IgG2b (1-2) In Vivo Isotype Control - Low Endotoxin

Product Code: ICH2243

Rat IgG2b In Vivo Isotype Control – Low Endotoxin (1-2) [ICH2243]

Product Specific Citations:

p16-dependent upregulation of PD-L1 impairs immunosurveillance of senescent cells

Majewska, J., Agrawal, A., Mayo, A. et al. p16-dependent increase of PD-L1 stability regulates immunosurveillance of senescent cells. Nat Cell Biol 26, 1336–1345 (2024).

Tang, Dongyang et al. Augment proteasome inhibitor efficacy activates CD8+ T cell-mediated antitumor immunity in breast cancer. Cell Reports Medicine, Volume 6, Issue 7, 102211

Gaifem J, et al. 2024. Akkermansia muciniphila and Parabacteroides distasonis synergistically protect from colitis by promoting ILC3 in the gut. mBio 15:e00078-24.

Product Benefits:

ichorbio's Rat IgG2b Isotype Control for In Vivo - Low Endotoxin (1-2) is manufactured in an cGMP compliant facility. ichorbio's low endotoxin antibodies have half the endotoxin of comparable antibodies from Bio X Cell 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 [<0.5EU/mg] at an even higher purity [98% versus 95%]. ichorbio: the best antibodies for *in vivo* research.

Target:

Trinitrophenol and KLH.

Clone:

1-2

Isotype:

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IgG2b

Host:

Rat

Specificity:

This Rat IgG2b isotype control antibody [Anti-KLH+Trinitrophenol] has been tested against selected species' cells and tissues to assure minimal cross reactivity.

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.

Concentration:

1.0 - 5.0 mg/ml

Formulation:

This antibody is aseptically packaged and formulated in 0.01 M phosphate buffered saline [PBS] pH 7.2 - 7.4, 150 mM NaCl with no carrier protein, potassium or preservatives added.

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:

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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 Sendai virus 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 Mouse adenovirus Reovirus 3 Rat theilovirus Seoul virus

Storage:

This antibody is stable for at least one week when stored sterile at 2-8°C. For long term storage aseptically aliquot in working volumes without diluting and store at –80°C. Avoid Repeated Freeze Thaw Cycles.

Applications:

This Rat IgG2b isotype control antibody should be used at the same concentration as the primary antibody.

Use:

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