

GolnVivo™ Purified Rat IgG2b, κ Isotype Ctrl Antibody

Catalog# / Size	400664 / 500 mg 400668 / 50 mg 400663 / 100 mg 400665 / 1 g 400667 / 25 mg 400666 / 5 mg
Clone	RTK4530
Regulatory Status	RUO
Isotype	Rat IgG2b, κ
Description	The isotype of RTK4530 immunoglobulin is rat IgG2b, κ. This antibody was chosen as an isotype control after screening on a variety of resting, activated, live, and fixed mouse, rat and human tissues.

Product Details

Antibody Type	Monoclonal
Host Species	Rat
Immunogen	Trinitrophenol + KLH
Formulation	0.2 μm filtered in phosphate-buffered solution, pH 7.2, containing no preservative. Endotoxin level is <1.0 EU/mg of the protein (0.01 pg/μg of the protein) as determined by the LAL test.
Preparation	The GolnVivo™ antibody was purified by affinity chromatography.
Concentration	The antibody is bottled at the concentration indicated on the vial, typically between 2 mg/mL and 3 mg/mL.
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C. This GolnVivo™ solution contains no preservative; handle under aseptic conditions.
Application	FC - Quality tested ICFC, ICC, IHC, IP, WB, FA - Reported in the literature, not verified in house
Recommended Usage	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤1.0 μg per million cells in 100 μl volume or 100 μl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. For <i>in vivo</i> and <i>in vitro</i> applications, we recommend to perform a pilot experiment to determine the optimal concentration to use for each particular experiment.
Application Notes	GolnVivo™ products are guaranteed to be pathogen-free based on the IDEXX BioResearch IMPACT test via PCR. For a full listing of pathogens tested, visit the GolnVivo™ Webpage . The RTK4530 immunoglobulin is useful as an isotype-matched control (for the relevant formats) for Western blotting, immunoprecipitation, immunohistochemistry, functional assay, and immunofluorescence microscopy.
Additional Product Notes	View more applications data for this product in our Scientific Poster Library .
Application References	1. Cervantes-Barragan L, <i>et al.</i> 2007. <i>Blood</i> 109:1131. 2. Zeiser R, <i>et al.</i> 2007. <i>Blood</i> 109:2225. 3. Sasaki K, <i>et al.</i> 2008. <i>J. Immunol.</i> 181:104. PubMed 4. Duan J, <i>et al.</i> 2008. <i>P. Natl. Acad. Sci. USA</i> 105:5183. PubMed 5. Yi H, <i>et al.</i> 2009. <i>Blood</i> 113:5819. PubMed 6. Schafeer JS, <i>et al.</i> 2010. <i>J. Leukocyte Biol.</i> 87:301. PubMed 7. Lei GS, <i>et al.</i> 2015. <i>Infect Immun.</i> 83:572. PubMed 8. Richards J, <i>et al.</i> 2015. <i>Mol Cell Cardiol.</i> 79:21. PubMed
(PubMed link indicates BioLegend citation)	

Product Citations

1. Adamson SE, *et al.* 2018. Arterioscler Thromb Vasc Biol. 38:1020. [PubMed](#)
2. Habib S, *et al.* 2018. Infect Immun. 86:e00019. [PubMed](#)
3. Yamazaki K, *et al.* 2022. Sci Rep. 12:3242. [PubMed](#)

Antigen Details

Gene ID NA

Other Formats

APC Rat IgG2b, κ Isotype Ctrl, Biotin Rat IgG2b, κ Isotype Ctrl, FITC Rat IgG2b, κ Isotype Ctrl, PE Rat IgG2b, κ Isotype Ctrl, PE/Cyanine5 Rat IgG2b, κ Isotype Ctrl, Purified Rat IgG2b, κ Isotype Ctrl, PE/Cyanine7 Rat IgG2b, κ Isotype Ctrl, APC/Cyanine7 Rat IgG2b, κ Isotype Ctrl, Alexa Fluor® 647 Rat IgG2b, κ Isotype Ctrl, Alexa Fluor® 488 Rat IgG2b, κ Isotype Ctrl, Pacific Blue™ Rat IgG2b, κ Isotype Ctrl, Alexa Fluor® 700 Rat IgG2b, κ Isotype Ctrl, PerCP Rat IgG2b, κ Isotype Ctrl, PerCP/Cyanine5.5 Rat IgG2b, κ Isotype Ctrl, Brilliant Violet 421™ Rat IgG2b, κ Isotype Ctrl, Brilliant Violet 570™ Rat IgG2b, κ Isotype Ctrl, Ultra-LEAF™ Purified Rat IgG2b, κ Isotype Ctrl, Brilliant Violet 510™ Rat IgG2b, κ Isotype Ctrl, Brilliant Violet 605™ Rat IgG2b, κ Isotype Ctrl, Brilliant Violet 785™ Rat IgG2b, κ Isotype Ctrl, Brilliant Violet 650™ Rat IgG2b, κ Isotype Ctrl, Brilliant Violet 711™ Rat IgG2b, κ Isotype Ctrl, PE/Dazzle™ 594 Rat IgG2b, κ Isotype Ctrl, Alexa Fluor® 594 Rat IgG2b, κ Isotype Ctrl, GolnVivo™ Purified Rat IgG2b, κ Isotype Ctrl, APC/Fire™ 750 Rat IgG2b, κ Isotype Ctrl, TotalSeq™-A0095 Rat IgG2b, κ Isotype Ctrl, TotalSeq™-C0095 Rat IgG2b, κ Isotype Ctrl, KIRAVIA Blue 520™ Rat IgG2b, κ Isotype Ctrl, Spark Blue™ 550 Rat IgG2b, κ Isotype Ctrl, PE/Fire™ 640 Rat IgG2b, κ Isotype Ctrl, APC/Fire™ 810 Rat IgG2b, κ Isotype Ctrl, PE/Fire™ 700 Rat IgG2b, κ Isotype Ctrl, TotalSeq™-B0095 Rat IgG2b, κ Isotype Ctrl

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