

## GolnVivo™ Purified Rat IgG2b, κ Isotype Ctrl Antibody

<b>Catalog# / Size</b>	400666 / 5 mg 400667 / 25 mg 400668 / 50 mg 400663 / 100 mg 400664 / 500 mg 400665 / 1 g
<b>Clone</b>	RTK4530
<b>Regulatory Status</b>	RUO
<b>Isotype</b>	Rat IgG2b, κ
<b>Description</b>	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

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<b>Antibody Type</b>	Monoclonal
<b>Host Species</b>	Rat
<b>Immunogen</b>	Trinitrophenol + KLH
<b>Formulation</b>	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.
<b>Preparation</b>	The GolnVivo™ antibody was purified by affinity chromatography.
<b>Concentration</b>	The antibody is bottled at the concentration indicated on the vial, typically between 2 mg/mL and 3 mg/mL.
<b>Storage &amp; Handling</b>	The antibody solution should be stored undiluted between 2°C and 8°C. This GolnVivo™ solution contains no preservative; handle under aseptic conditions.
<b>Application</b>	<a href="#">FC - Quality tested</a> <a href="#">ICFC, ICC, IHC, IP, WB, FA - Reported in the literature, not verified in house</a>
<b>Recommended Usage</b>	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.  <b>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.</b>
<b>Application Notes</b>	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 <a href="#">GolnVivo™ Webpage</a> .  The RTK4530 immunoglobulin is useful as an isotype-matched control (for the relevant formats) for Western blotting, immunoprecipitation, immunohistochemistry, functional assay, and immunofluorescence microscopy.
<b>Additional Product Notes</b>	View more applications data for this product in our <a href="#">Scientific Poster Library</a> .
<b>Application References</b>	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. <a href="#">PubMed</a> 4. Duan J, <i>et al.</i> 2008. <i>P. Natl. Acad. Sci. USA</i> 105:5183. <a href="#">PubMed</a> 5. Yi H, <i>et al.</i> 2009. <i>Blood</i> 113:5819. <a href="#">PubMed</a> 6. Schafeer JS, <i>et al.</i> 2010. <i>J. Leukocyte Biol.</i> 87:301. <a href="#">PubMed</a> 7. Lei GS, <i>et al.</i> 2015. <i>Infect Immun.</i> 83:572. <a href="#">PubMed</a> 8. Richards J, <i>et al.</i> 2015. <i>Mol Cell Cardiol.</i> 79:21. <a href="#">PubMed</a>
<b>(PubMed link indicates BioLegend citation)</b>	

## 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

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Gene ID                      NA

## Other Formats

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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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