

PE/Cyanine7 Rat IgG2b, κ Isotype Ctrl Antibody

Catalog# / Size	400617 / 25 µg 400618 / 100 µg
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	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Preparation	The immunoglobulin was purified by affinity chromatography, and conjugated with PE/Cyanine7 under optimal conditions.
Concentration	0.2 mg/ml
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	FC - Quality tested ICFC - Verified
Recommended Usage	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis as negative control. Use at concentrations comparable to those of the specific antibody of interest.
Excitation Laser	Blue Laser (488 nm) Green Laser (532 nm)/Yellow-Green Laser (561 nm)
Application Notes	The RTK4530 immunoglobulin is useful as an isotype-matched control (for the relevant formats) for Western blotting, immunoprecipitation, immunohistochemistry, functional assay, and immunofluorescence microscopy. The Ultra-LEAF™ purified antibody (Endotoxin < 0.01 EU/µg, Azide-Free, 0.2 µm filtered) is recommended for functional assays (Cat. No. 400643, 400644, 400671, 400672, 400675, and 400676) as negative control.
Additional Product Notes	BioLegend is in the process of converting the name PE/Cy7 to PE/Cyanine7. The dye molecule remains the same, so you should expect the same quality and performance from our PE/Cyanine7 products. Please contact Technical Service if you have any questions.
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
Product Citations	1. Merah-Mourah F, <i>et al.</i> 2021. <i>Curr Protoc.</i> 1:e229. PubMed 2. Ho J, <i>et al.</i> 2016. <i>PLoS Biol.</i> 14:e2000117. PubMed 3. Tanner MA, <i>et al.</i> 2021. <i>Am J Physiol Heart Circ Physiol.</i> 321:H633. PubMed 4. Glaubitz J, <i>et al.</i> 2022. <i>Nat Commun.</i> 13:4502. PubMed

5. Fujita Y *et al.* 2018. Cell reports. 24(12):3296-3311 . [PubMed](#)
6. Chamoto K, *et al.* 2012. Am J Respir Cell Mol Biol. 46:283. [PubMed](#)
7. Zhu H, *et al.* 2021. Cell Metabolism. .: [PubMed](#)
8. Ying Zhang *et al.* 2017. Cancer cell. 32(3):377-391 . [PubMed](#)
9. Kumagai S, *et al.* 2020. Immunity. 53(1):187-203.e8. [PubMed](#)
10. Nakornpakdee Y, *et al.* 2018. Asian Pac J Allergy Immunol. 36:265. [PubMed](#)
11. Belogortseva N, *et al.* 2017. PLoS One.. 10.1371/journal.pone.0182825. [PubMed](#)
12. Zhou C, *et al.* 2020. Gut Microbes. 12:1782156. [PubMed](#)
13. Chithanathan K, *et al.* 2022. Biology (Basel). 11:. [PubMed](#)

RRID AB_326559 (BioLegend Cat. No. 400617)
 AB_326560 (BioLegend Cat. No. 400618)

Antigen Details

Structure The antibody was purified by affinity chromatography and conjugated with APC/Fire™ 810 under optimal conditions.

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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