

## Alexa Fluor<sup>®</sup> 488 anti-rat IgG2b Antibody

<b>Catalog# / Size</b>	408210 / 25 µg 408211 / 100 µg
<b>Clone</b>	MRG2b-85
<b>Regulatory Status</b>	RUO
<b>Other Names</b>	Immunoglobulin G2b
<b>Isotype</b>	Mouse IgG1, κ
<b>Description</b>	The MRG2b-85 monoclonal antibody reacts with rat immunoglobulin G2b (IgG2b) in all tested rat strains (Lou, Lou/Ws1/M, Lewis, Wistar, DA, Sprague-Dawley). The MRG2b-85 monoclonal antibody may be used as primary or secondary reagent for ELISA or immunofluorescent analysis.

### Product Details

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<b>Verified Reactivity</b>	Rat
<b>Antibody Type</b>	Monoclonal
<b>Host Species</b>	Mouse
<b>Immunogen</b>	Mixed rat Igs
<b>Formulation</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
<b>Preparation</b>	The antibody was purified by affinity chromatography and conjugated with Alexa Fluor <sup>®</sup> 488 under optimal conditions.
<b>Concentration</b>	0.5 mg/ml
<b>Storage &amp; Handling</b>	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. <b>Do not freeze.</b>
<b>Application</b>	<a href="#">FC - Quality tested</a> <a href="#">IHC-F - Verified</a>
<b>Recommended Usage</b>	<p>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 ≤ 0.25 µg per million cells in 100 µl volume. For immunohistochemistry on frozen tissue sections, a concentration range of 2.5 - 5 µg/ml is suggested. It is recommended that the reagent be titrated for optimal performance for each application.</p> <p>* Alexa Fluor<sup>®</sup> 488 has a maximum emission of 519 nm when it is excited at 488 nm.</p> <p>Alexa Fluor<sup>®</sup> and Pacific Blue™ are trademarks of Life Technologies Corporation.</p> <p><a href="#">View full statement regarding label licenses</a></p>
<b>Excitation Laser</b>	Blue Laser (488 nm)
<b>Product Citations</b>	1. Delarue Q, <i>et al.</i> 2021. Journal of Neuroscience Research. . <a href="#">PubMed</a>
<b>RRID</b>	AB_2715913 (BioLegend Cat. No. 408210) AB_2715886 (BioLegend Cat. No. 408211)

### Antigen Details

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<b>Gene ID</b>	NA
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## Related Protocols

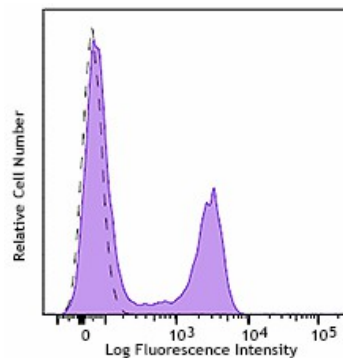
[Immunohistochemistry Protocol for Frozen Sections](#)

[Cell Surface Flow Cytometry Staining Protocol](#)

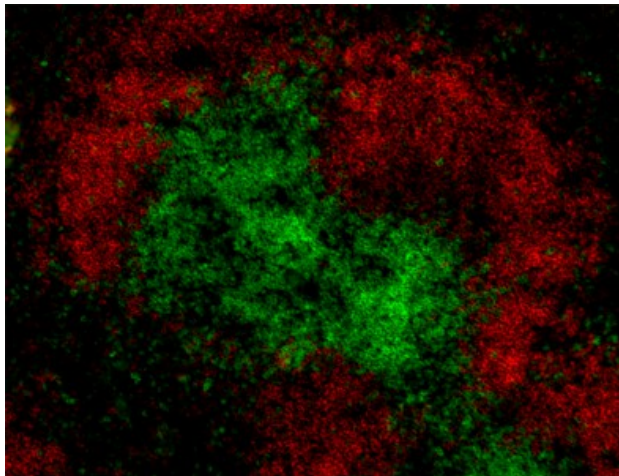
## Other Formats

Purified anti-rat IgG2b, Biotin anti-rat IgG2b, FITC anti-rat IgG2b, Alexa Fluor® 594 anti-rat IgG2b, Alexa Fluor® 488 anti-rat IgG2b, Alexa Fluor® 647 anti-rat IgG2b, PE anti-rat IgG2b

## Product Data



C57BL/6 mouse splenocytes were stained with purified CD3 (clone 17A2) followed by anti-rat IgG2b (clone MRG2b-85) Alexa Fluor® 488.



C57BL/6 mouse frozen spleen section was fixed with 4% paraformaldehyde (PFA) for 10 minutes at room temperature and blocked with 5% FBS for 30 minutes at room temperature. Then the section was stained with 10 µg/ml of CD3 (clone 17-A2) purified and 10 µg/ml of B220 (Clone RA3-6B2) Alexa Fluor® 594 (red) overnight at 4°C, followed by 2.5 µg/ml of anti-rat IgG2b (Clone MRG2b-85) Alexa Fluor® 488 (green) for 2 hours at room temperature. The image was captured by 10X objective.

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