

## Brilliant Violet 785™ Goat anti-mouse IgG (minimal x-reactivity) Antibody

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| <b>Catalog# / Size</b>   | 405328 / 50 µg                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Clone</b>             | Poly4053                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Regulatory Status</b> | RUO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Isotype</b>           | Goat Polyclonal IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>       | This polyclonal goat anti-mouse IgG antibody reacts with the heavy chains of mouse IgG and with the light (kappa and lambda) chains common to most mouse immunoglobulins. No cross-reactivity has been detected against non-immunoglobulin serum proteins. This antibody has been solid-phase absorbed to ensure minimal cross-reaction with rat, human, bovine, horse, and rabbit immunoglobulins, but it may have minimal cross-reactivity with other subclasses of mouse immunoglobulins. |

### Product Details

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Verified Reactivity</b>    | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Antibody Type</b>          | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Host Species</b>           | Goat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Formulation</b>            | Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Preparation</b>            | The antibody was purified by affinity chromatography and conjugated with Brilliant Violet 785™ under optimal conditions.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Concentration</b>          | 0.2 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>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Recommended Usage</b>      | <p>Each lot of this antibody is quality control tested by <a href="#">immunofluorescent staining with flow cytometric analysis</a>. For flow cytometric staining, the suggested use of this reagent is ≤ 0.25 µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application.</p> <p>Brilliant Violet 785™ excites at 405 nm and emits at 785 nm. The bandpass filter 780/60 nm is recommended for detection, although filter optimization may be required depending on other fluorophores used. Be sure to verify that your cytometer configuration and software setup are appropriate for detecting this channel. Refer to your instrument manual or manufacturer for support. Brilliant Violet 785™ is a trademark of Sirigen Group Ltd.</p> <p><a href="#">Learn more about Brilliant Violet™.</a></p> <p>This product is subject to proprietary rights of Sirigen Inc. and is made and sold under license from Sirigen Inc. The purchase of this product conveys to the buyer a non-transferable right to use the purchased product for research purposes only. This product may not be resold or incorporated in any manner into another product for resale. Any use for therapeutics or diagnostics is strictly prohibited. This product is covered by U.S. Patent(s), pending patent applications and foreign equivalents.</p> |
| <b>Excitation Laser</b>       | Violet Laser (405 nm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Application Notes</b>      | This polyclonal goat anti-mouse IgG antibody is useful for capture or detection of mouse IgG in ELISA.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

## Application References

(PubMed link indicates  
BioLegend citation)

1. Scotta C, *et al.* 2008. *J Immunol.* 181:1025-33. [PubMed](#)
2. Gao X, *et al.* 2014. *Cell Mol Neurobiol.* 34:257-68 (**ICC**)
3. Winters T, *et al.* 2014. *EMBO J.* 33:1256-70.

## Antigen Details

|              |                       |
|--------------|-----------------------|
| Distribution | B cells               |
| Gene ID      | <a href="#">16059</a> |

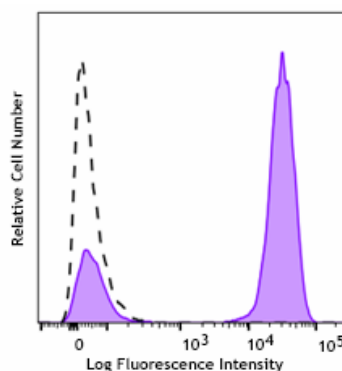
## Related Protocols

- [Cell Surface Flow Cytometry Staining Protocol](#)

## Other Formats

Spark Red™ 718 Goat anti-mouse IgG (minimal x-reactivity), Spark YG™ 570 Goat anti-mouse IgG (minimal x-reactivity), Brilliant Violet 510™ Goat anti-mouse IgG (minimal x-reactivity), Biotin Goat anti-mouse IgG (minimal x-reactivity), FITC Goat anti-mouse IgG (minimal x-reactivity), PE Goat anti-mouse IgG (minimal x-reactivity), PerCP Goat anti-mouse IgG (minimal x-reactivity), APC/Fire™ 750 Goat anti-mouse IgG (minimal x-reactivity), HRP Goat anti-mouse IgG (minimal x-reactivity), Purified Goat anti-mouse IgG (minimal x-reactivity), DyLight™ 649 Goat anti-mouse IgG (minimal x-reactivity), DyLight™ 488 Goat anti-mouse IgG (minimal x-reactivity), PerCP/Cyanine5.5 Goat anti-mouse IgG (minimal x-reactivity), Alexa Fluor® 647 Goat anti-mouse IgG (minimal x-reactivity), Alexa Fluor® 555 Goat anti-mouse IgG (minimal x-reactivity), Brilliant Violet 421™ Goat anti-mouse IgG (minimal x-reactivity), Alexa Fluor® 594 Goat anti-mouse IgG (minimal x-reactivity), Spark PLUS B550™ Goat anti-mouse IgG (minimal x-reactivity), Spark Blue™ 574 Goat anti-mouse IgG (minimal x-reactivity) Antibody, Spark PLUS UV395™ Goat anti-mouse IgG (minimal x-reactivity), Brilliant Violet 605™ Goat anti-mouse IgG (minimal x-reactivity), Brilliant Violet 570™ Goat anti-mouse IgG (minimal x-reactivity), Brilliant Violet 785™ Goat anti-mouse IgG (minimal x-reactivity), PE/Dazzle™ 594 Goat anti-mouse IgG (minimal x-reactivity), Cyanine3 Goat anti-mouse IgG (minimal x-reactivity), APC Goat anti-mouse IgG (minimal x-reactivity), Alexa Fluor® 488 Goat anti-mouse IgG (minimal x-reactivity), Brilliant Violet 650™ Goat anti-mouse IgG (minimal x-reactivity), PE/Cyanine7 Goat anti-mouse IgG (minimal x-reactivity), APC/Cyanine7 Goat anti-mouse IgG (minimal x-reactivity), PE/Fire™ 744 Goat anti-mouse IgG (minimal x-reactivity), APC/Fire™ 810 Goat anti-mouse IgG (minimal x-reactivity)

## Product Data



Human peripheral blood lymphocytes were stained with purified anti-human CD3 (UCHT1) followed by goat anti-mouse IgG (clone Poly4053) Brilliant Violet 785™ (filled histogram). Open histogram represents unstained cells.

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