

## Spark PLUS UV395™ anti-mouse CD19 Antibody

<b>Catalog# / Size</b>	115587 / 25 µg 115588 / 100 µg
<b>Clone</b>	6D5
<b>Regulatory Status</b>	RUO
<b>Other Names</b>	B4
<b>Isotype</b>	Rat IgG2a, κ
<b>Description</b>	CD19 is a 95 kD glycoprotein also known as B4. It is a member of the Ig superfamily, expressed on all pro-B to mature B cells (during development) and follicular dendritic cells. Plasma cells do not express CD19. CD19, in association with CD21 and CD81, forms a molecular complex integral to B cell activation.

### Product Details

---

<b>Verified Reactivity</b>	Mouse
<b>Antibody Type</b>	Monoclonal
<b>Host Species</b>	Rat
<b>Immunogen</b>	Mouse CD19-expressing K562 human erythroleukemia cells
<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 Spark PLUS UV395™ 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>	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.  * Spark PLUS UV395™ has a maximum excitation of 355 nm and a maximum emission of 385 nm.
<b>Excitation Laser</b>	Ultraviolet Laser (355 nm)
<b>Application Notes</b>	Additional reported applications (for the relevant formats) include: immunofluorescence <sup>7</sup> .
<b>Application References</b>	<ol style="list-style-type: none"><li>1. Shoham T, <i>et al.</i> 2003. <i>J. Immunol.</i> 171:4062. (FC)</li><li>2. Goodyear CS, <i>et al.</i> 2004. <i>J. Immunol.</i> 172:2870. (FC)</li><li>3. Kamimura D, <i>et al.</i> 2006. <i>J. Immunol.</i> 177:306. (FC)</li><li>4. Andoniou CE, <i>et al.</i> 2005. <i>Nat. Immunol.</i> 6:1011. (FC)</li><li>5. Lawson BR, <i>et al.</i> 2007. <i>J. Immunol.</i> 178:5366. (FC)</li><li>6. Phan TG, <i>et al.</i> 2007. <i>Nat. Immunol.</i> 8:992. (FC)</li><li>7. Hayashida K, <i>et al.</i> 2008. <i>J. Biol. Chem.</i> 283:19895. (IF) <a href="#">PubMed</a></li><li>8. Charles N, <i>et al.</i> 2010. <i>Nat. Med.</i> 16:701. (FC) <a href="#">PubMed</a></li><li>9. Bankoti J, <i>et al.</i> 2010. <i>Toxicol. Sci.</i> 115:422. (FC) <a href="#">PubMed</a></li><li>10. Stadnisky MD, <i>et al.</i> 2011. <i>Blood.</i> 117:5133. (FC) <a href="#">PubMed</a></li><li>11. Perlot T, <i>et al.</i> 2012. <i>J. Immunol.</i> 188:1201. (FC) <a href="#">PubMed</a></li><li>12. Olive V, <i>et al.</i> 2013. <i>Elife.</i> 2:822. <a href="#">PubMed</a></li></ol>

(PubMed link indicates BioLegend citation)

[See More](#)

RRID AB\_3683143 (BioLegend Cat. No. 115587)  
AB\_3683143 (BioLegend Cat. No. 115588)

## Antigen Details

<b>Structure</b>	Ig superfamily, associates with CD21 and CD81, 95 kD
<b>Distribution</b>	Pro-B cells to mature B cells (during development), follicular dendritic cells
<b>Function</b>	Modulates B cell activation and differentiation
<b>Ligand/Receptor</b>	CD21, CD81, Leu-13
<b>Cell Type</b>	B cells, Dendritic cells
<b>Biology Area</b>	Costimulatory Molecules, Immunology
<b>Molecular Family</b>	CD Molecules
<b>Antigen References</b>	1. Fearon DT. 1993. <i>Curr. Opin. Immunol.</i> 5:341. 2. Krop I, et al. 1996. <i>Eur. J. Immunol.</i> 26:238. 3. Krop I, et al. 1996. <i>J. Immunol.</i> 157:48. 4. Tedder TF, et al. 1994. <i>Immunol. Today</i> 15:437.
<b>Gene ID</b>	<a href="#">12478</a>

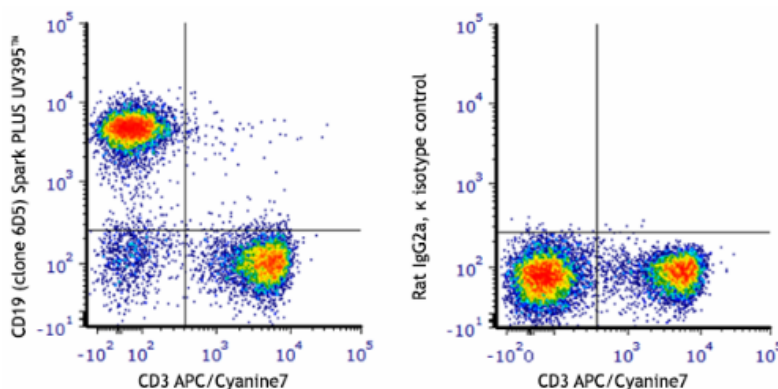
## Related Protocols

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

## Other Formats

APC anti-mouse CD19, Biotin anti-mouse CD19, FITC anti-mouse CD19, PE anti-mouse CD19, PE/Cyanine5 anti-mouse CD19, Purified anti-mouse CD19, PE/Cyanine7 anti-mouse CD19, Alexa Fluor® 488 anti-mouse CD19, Alexa Fluor® 647 anti-mouse CD19, Pacific Blue™ anti-mouse CD19, Alexa Fluor® 700 anti-mouse CD19, APC/Cyanine7 anti-mouse CD19, PerCP anti-mouse CD19, PerCP/Cyanine5.5 anti-mouse CD19, Alexa Fluor® 594 anti-mouse CD19, Brilliant Violet 421™ anti-mouse CD19, Brilliant Violet 570™ anti-mouse CD19, Brilliant Violet 605™ anti-mouse CD19, Brilliant Violet 650™ anti-mouse CD19, Brilliant Violet 785™ anti-mouse CD19, Brilliant Violet 510™ anti-mouse CD19, Purified anti-mouse CD19 (Maxpar® Ready), PE/Dazzle™ 594 anti-mouse CD19, Brilliant Violet 711™ anti-mouse CD19, APC/Fire™ 750 anti-mouse CD19, TotalSeq™-A0093 anti-mouse CD19, Brilliant Violet 750™ anti-mouse CD19, TotalSeq™-B0093 anti-mouse CD19, Spark Blue™ 550 anti-mouse CD19, Spark NIR™ 685 anti-mouse CD19, TotalSeq™-C0093 anti-mouse CD19, Ultra-LEAF™ Purified anti-mouse CD19, PE/Fire™ 640 anti-mouse CD19 Antibody, Spark YG™ 581 anti-mouse CD19, APC/Fire™ 810 anti-mouse CD19, Spark YG™ 570 anti-mouse CD19, Spark Blue™ 574 anti-mouse CD19 Antibody, Spark Blue™ 515 anti-mouse CD19, Spark UV™ 387 anti-mouse CD19, Spark Red™ 718 anti-mouse CD19 (Flexi-Fluor™), Spark PLUS UV395™ anti-mouse CD19, Spark Violet™ 538 anti-mouse CD19, PerCP/Fire™ 780 anti-mouse CD19 Antibody, PerCP/Fire™ 806 anti-mouse CD19 Antibody, Spark YG™ 593 anti-mouse CD19 (Flexi-Fluor™) Antibody

## Product Data



C57BL/6 splenocytes were stained with anti-mouse CD3 (clone 145-2C11) APC/Cyanine7 and anti-mouse CD19 (clone 6D5) Spark PLUS UV395™ (left) or rat IgG2a, κ Spark PLUS UV395™ isotype control (right).

For Research Use Only. Not for diagnostic or therapeutic use.

This product is supplied subject to the terms and conditions, including the limited license, located at [www.biolegend.com/terms](http://www.biolegend.com/terms) ("Terms") and may be used only as provided in the Terms. Without limiting the foregoing, BioLegend products may not be used for any Commercial Purpose as defined in the Terms, resold in any form, used in manufacturing, or reverse engineered, sequenced, or otherwise studied or used to learn its design or composition without express written approval of BioLegend. Regardless of the information given in this document, user is solely responsible for determining any license requirements necessary for user's intended use and assumes all risk and liability arising from use of the product. BioLegend is not responsible for patent infringement or any other risks or liabilities whatsoever resulting from the use of its products.

BioLegend, the BioLegend logo, and all other trademarks are property of BioLegend, Inc. or their respective owners, and all rights are reserved.

8999 BioLegend Way, San Diego, CA 92121 [www.biolegend.com](http://www.biolegend.com)  
Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 768-5800 Fax: (877) 455-9587