

## PE anti-mouse CD3 Antibody

<b>Catalog# / Size</b>	100205 / 50 µg 100206 / 200 µg
<b>Clone</b>	17A2
<b>Other Names</b>	T cell antigen receptor complex, T3
<b>Isotype</b>	Rat IgG2b, κ

### Product Details

---

<b>Antibody Type</b>	Monoclonal
<b>Host Species</b>	Rat
<b>Immunogen</b>	γδTCR-positive T-T hybridoma D1
<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 PE 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>	FC - Quality tested
<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 10 <sup>6</sup> cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.
<b>Excitation Laser</b>	Blue Laser (488 nm) Green Laser (532 nm)/Yellow-Green Laser (561 nm)
<b>Product Citations</b>	<ol style="list-style-type: none"> <li>1. Fathman J, et al. 2010. Proc Natl Acad Sci U S A. 107:3663. PubMed</li> <li>2. Bedi B, et al. 2012. Proc Natl Acad Sci U S A. 109:275. PubMed</li> <li>3. Hsieh Y, et al. 2014. Infect Immun. 82:2087. PubMed</li> <li>4. Gazit R, et al. 2014. J Exp Med. 211:1315. PubMed</li> <li>5. Schneider A, et al. 2014. J Leukoc Biol. 96:857. PubMed</li> <li>6. Rozanski C, et al. 2015. J Immunol. 194:4717. PubMed</li> <li>7. Chen Y, et al. 2015. PLoS One. 10: 0135217. PubMed</li> <li>8. Yu H, et al. 2015. PLoS One. 10: 0143001. PubMed</li> <li>9. Stutchfield B, et al. 2015. Gastroenterology. 149: 1896-1909.e14. PubMed</li> <li>10. Zuchtriegel G, et al. 2016. PLoS Biol. 14: 1002459. PubMed</li> <li>11. Reboldi A, et al. 2016. Sci Transl Med. 352: aaf4822. PubMed</li> <li>12. Schmidt D, et al. 2016. PLoS One. 11: 0159059. PubMed</li> </ol>
<b>RRID</b>	AB_312662 (BioLegend Cat. No. 100205) AB_312663 (BioLegend Cat. No. 100206)

### Antigen Details

---

<b>Structure</b>	Ig superfamily, CD3/TCR, 20 kD
<b>Distribution</b>	Thymocytes (differentiation dependent), mature T cells, NK-T cells
<b>Function</b>	Antigen recognition, TCR signal transduction, T cell activation
<b>Ligand/Receptor</b>	Peptide antigen/MHC-complex
<b>Antigen References</b>	<ol style="list-style-type: none"> <li>1. Barclay A, et al. 1997. The Leukocyte Antigen FactsBook Academic Press.</li> <li>2. Davis MM. 1990. Annu. Rev. Biochem. 59:475.</li> <li>3. Weiss A, et al. 1994. Cell 76:263.</li> </ol>
<b>Gene ID</b>	<a href="#">12502</a>

## Related Protocols

---

Cell Surface Flow Cytometry Staining Protocol

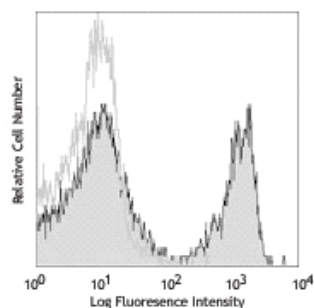
## Other Formats

---

FITC anti-mouse CD3, Purified anti-mouse CD3, Alexa Fluor® 647 anti-mouse CD3, Alexa Fluor® 488 anti-mouse CD3, Pacific Blue™ anti-mouse CD3, Alexa Fluor® 700 anti-mouse CD3, PerCP/Cyanine5.5 anti-mouse CD3, PE/Cyanine7 anti-mouse CD3, APC/Cyanine7 anti-mouse CD3, Brilliant Violet 421™ anti-mouse CD3, Brilliant Violet 570™ anti-mouse CD3, Brilliant Violet 650™ anti-mouse CD3, Brilliant Violet 785™ anti-mouse CD3, Brilliant Violet 510™ anti-mouse CD3, APC anti-mouse CD3, Ultra-LEAF™ Purified anti-mouse CD3, Brilliant Violet 605™ anti-mouse CD3, Alexa Fluor® 594 anti-mouse CD3, Brilliant Violet 711™ anti-mouse CD3, Biotin anti-mouse CD3, PE/Dazzle™ 594 anti-mouse CD3, APC/Fire™ 750 anti-mouse CD3, Brilliant Violet 750™ anti-mouse CD3, TotalSeq™-A0182 anti-mouse CD3, TotalSeq™-B0182 anti-mouse CD3, Spark Blue™ 550 anti-mouse CD3, Spark NIR™ 685 anti-mouse CD3, TotalSeq™-C0182 anti-mouse CD3, APC/Fire™ 810 anti-mouse CD3, PE/Fire™ 640 anti-mouse CD3, Spark YG™ 570 anti-mouse CD3, PE/Fire™ 700 anti-mouse CD3

## Product Data

---



C57BL/6 mouse splenocytes stained with  
17A2 PE

For research use only. Not for diagnostic use. Not for resale. BioLegend will not be held responsible for patent infringement or other violations that may occur with the use of our products.

\*These products may be covered by one or more Limited Use Label Licenses (see the BioLegend Catalog or our website, [www.biolegend.com/ordering#license](http://www.biolegend.com/ordering#license)). BioLegend products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products, reverse engineer functionally similar materials, or to provide a service to third parties without written approval of BioLegend. By use of these products you accept the terms and conditions of all applicable Limited Use Label Licenses. Unless otherwise indicated, these products are for research use only and are not intended for human or animal diagnostic, therapeutic or commercial use.

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