

## PerCP anti-mouse CD5 Antibody

<b>Catalog# / Size</b>	100615 / 25 µg 100616 / 100 µg
<b>Clone</b>	53-7.3
<b>Regulatory Status</b>	RUO
<b>Other Names</b>	Lyt-1, Ly-1, T1, Tp67, Ly-12
<b>Isotype</b>	Rat IgG2a, κ
<b>Description</b>	CD5 is a 67 kD protein, also known as Lyt-1, Ly-1, T1, Tp67, or Ly-12. It is a member of the scavenger receptor cysteine-rich protein superfamily (SRCR) and primarily expressed on thymocytes, T cells, and B-1 cells. Although mature α/β T cells express high levels of CD5, very few γ/δ T cells express this antigen. The interaction of CD5 with CD72, gp35-37, TCR, or BCR is involved in T and B cell activation.

### Product Details

---

<b>Verified Reactivity</b>	Mouse
<b>Antibody Type</b>	Monoclonal
<b>Host Species</b>	Rat
<b>Immunogen</b>	Mouse thymus or spleen
<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 PerCP 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 10 <sup>6</sup> cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.  * PerCP has a maximum absorption of 482 nm and a maximum emission of 675 nm.
<b>Excitation Laser</b>	Blue Laser (488 nm)
<b>Application Notes</b>	Additional reported applications (for the relevant formats) include: immunoprecipitation <sup>1</sup> , and immunohistochemistry <sup>2</sup> of acetone-fixed frozen tissue sections, zinc-fixed paraffin-embedded sections and formalin-fixed paraffin-embedded sections.
<b>Application References</b>	<ol style="list-style-type: none"> <li>1. Ledbetter JA, <i>et al.</i> 1979. <i>Immunol. Rev.</i> 47:63. (IP)</li> <li>2. Ledbetter JA, <i>et al.</i> 1980. <i>J. Exp. Med.</i> 152:280. (FC, IHC)</li> <li>3. Bourdeau A, <i>et al.</i> 2007. <i>Blood</i> doi:10.1182/blood-2006-08-044370.</li> </ol>
<b>(PubMed link indicates BioLegend citation)</b>	
<b>Product Citations</b>	<ol style="list-style-type: none"> <li>1. Plzakova L, <i>et al.</i> 2014. <i>Microb Pathog.</i> 75:49. <a href="#">PubMed</a></li> <li>2. Wang YH, <i>et al.</i> 2019. <i>Front Immunol.</i> 10:1909. <a href="#">PubMed</a></li> </ol>
<b>RRID</b>	AB_2260093 (BioLegend Cat. No. 100615) AB_2075300 (BioLegend Cat. No. 100616)

## Antigen Details

---

<b>Structure</b>	Member of the scavenger receptor cysteine-rich protein superfamily (SRCR), 67 kD
<b>Distribution</b>	Thymocytes, T cells, B-1 cells
<b>Function</b>	Negative regulator of T-B cell interaction
<b>Ligand/Receptor</b>	CD72, gp35-37
<b>Cell Type</b>	B cells, T cells, Thymocytes
<b>Biology Area</b>	Costimulatory Molecules, Immunology
<b>Molecular Family</b>	CD Molecules
<b>Antigen References</b>	1. Barclay A, <i>et al.</i> 1997. The Leukocyte Antigen FactsBook Academic Press. 2. Kipps T.J. 1988. <i>Adv. Immunol.</i> 47:117. 3. Antin JH, <i>et al.</i> 1985. <i>J. Immunol.</i> 136:505. 4. Tarakhovsky A, <i>et al.</i> 1995. <i>Science</i> 269:535.
<b>Gene ID</b>	<a href="#">12507</a>

## Related Protocols

---

[Cell Surface Flow Cytometry Staining Protocol](#)

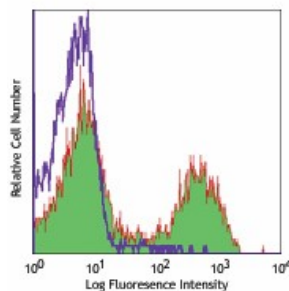
## Other Formats

---

Biotin anti-mouse CD5, FITC anti-mouse CD5, PE anti-mouse CD5, PE/Cyanine5 anti-mouse CD5, Purified anti-mouse CD5, Brilliant Violet 510™ anti-mouse CD5, Alexa Fluor® 488 anti-mouse CD5, Alexa Fluor® 647 anti-mouse CD5, PerCP anti-mouse CD5, Brilliant Violet 421™ anti-mouse CD5, PE/Cyanine7 anti-mouse CD5, Purified anti-mouse CD5 (Maxpar® Ready), PerCP/Cyanine5.5 anti-mouse CD5, APC anti-mouse CD5, Alexa Fluor® 594 anti-mouse CD5, APC/Fire™ 750 anti-mouse CD5, Alexa Fluor® 700 anti-mouse CD5, TotalSeq™-A0111 anti-mouse CD5, Brilliant Violet 711™ anti-mouse CD5, Pacific Blue™ anti-mouse CD5, PE/Dazzle™ 594 anti-mouse CD5, TotalSeq™-B0111 anti-mouse CD5, TotalSeq™-C0111 anti-mouse CD5, APC/Cyanine7 anti-mouse CD5

## Product Data

---



C57BL/6 mouse splenocytes stained with 53-7.3 PerCP

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.

BioLegend Inc., 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

