

Purified anti-mouse CD5 (Maxpar® Ready) Antibody

Catalog# / Size	100619 / 100 µg
Clone	53-7.3
Regulatory Status	RUO
Other Names	Lyt-1, Ly-1, T1, Tp67, Ly-12
Isotype	Rat IgG2a, κ
Description	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

Verified Reactivity	Mouse
Antibody Type	Monoclonal
Host Species	Rat
Immunogen	Mouse thymus or spleen
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and EDTA.
Preparation	The antibody was purified by affinity chromatography.
Concentration	1.0 mg/ml
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C.
Application	FC - Quality tested CyTOF® - Verified
Recommended Usage	This product is suitable for use with the Maxpar® Metal Labeling Kits . For metal labeling using Maxpar® Ready antibodies, proceed directly to the step to Partially Reduce the Antibody by adding 100 µl of Maxpar® Ready antibody to 100 µl of 4 mM TCEP-R in a 50 kDa filter and continue with the protocol. Always refer to the latest version of Maxpar® User Guide when conjugating Maxpar® Ready antibodies.
Application Notes	Additional reported applications (for the relevant formats) include: immunoprecipitation ¹ , and immunohistochemistry ² of acetone-fixed frozen tissue sections, zinc-fixed paraffin-embedded sections and formalin-fixed paraffin-embedded sections.
Additional Product Notes	Maxpar® is a registered trademark of Standard BioTools Inc.
Application References	1. Ledbetter JA, <i>et al.</i> 1979. <i>Immunol. Rev.</i> 47:63. (IP) 2. Ledbetter JA, <i>et al.</i> 1980. <i>J. Exp. Med.</i> 152:280. (FC, IHC) 3. Bourdeau A, <i>et al.</i> 2007. <i>Blood</i> doi:10.1182/blood-2006-08-044370.
(PubMed link indicates BioLegend citation)	
RRID	AB_2562763 (BioLegend Cat. No. 100619)

Antigen Details

Structure	Member of the scavenger receptor cysteine-rich protein superfamily (SRCR), 67 kD
Distribution	Thymocytes, T cells, B-1 cells
Function	Negative regulator of T-B cell interaction

Ligand/Receptor	CD72, gp35-37
Cell Type	B cells, T cells, Thymocytes
Biology Area	Costimulatory Molecules, Immunology
Molecular Family	CD Molecules
Antigen References	<ol style="list-style-type: none"> 1. Barclay A, <i>et al.</i> 1997. The Leukocyte Antigen FactsBook Academic Press. 2. Kipps TJ. 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.
Gene ID	12507

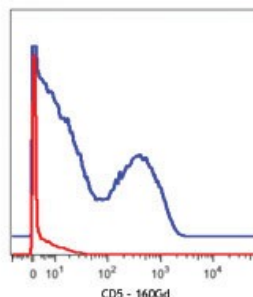
Related Protocols

[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 (blue) and human Jurkat T cells (red) stained with 160Gd-anti-CD5 (53-7.3). Data provided by DVS Sciences.

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