

CD5 Monoclonal Antibody (53-7.3), Biotin, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), Biotin, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	53-7.3
Conjugate	Biotin
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_466339

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.125 µg/test	27 Publications

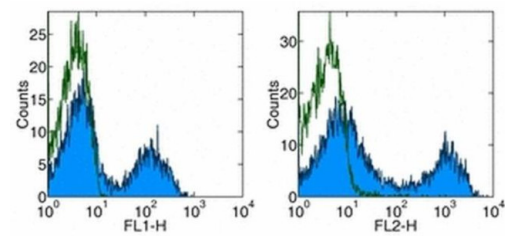
Product Specific Information

Description: The 53-7.3 monoclonal antibody reacts with mouse CD5, a 67 kDa protein expressed by a majority of thymocytes, mature T cells and a subset of B cells. The expression of CD5 by a small subset of B cells characterizes a developmentally and functionally distinct lineage of B cells called B-1 cells. CD5 is a counter-receptor for CD72 and plays a role in the T-B cell interaction.

Applications Reported: The 53-7.3 antibody has been reported for use in flow cytometric analysis.

Applications Tested: The 53-7.3 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 0.125 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Filtration: 0.2 µm post-manufacturing filtered.



CD5 Antibody (13-0051-82) in Flow
Staining of mouse splenocytes with Anti-Mouse CD5 FITC (left), and PE (right). Appropriate isotype controls were used (open histogram). Total viable cells were used for analysis.

View more figures on thermofisher.cn

27 References

Flow Cytometry (27)

Cells	Year 2023
<i>Cissus quadrangularis</i> (Hadjod) Inhibits RANKL-Induced Osteoclastogenesis and Augments Bone Health in an Estrogen-Deficient Preclinical Model of Osteoporosis Via Modulating the Host Osteoimmune System.	
"Published figure using CD5 monoclonal antibody (Product # 13-0051-82) in Flow Cytometry"	
Authors: Azam Z,Sapra L,Baghel K,Sinha N,Gupta RK,Soni V,Saini C,Mishra PK,Srivastava RK	
Nature communications	Year 2022
IL-33 induces thymic involution-associated naive T cell aging and impairs host control of severe infection.	
"Published figure using CD5 monoclonal antibody (Product # 13-0051-82) in Flow Cytometry"	
Authors: Xu L,Wei C,Chen Y,Wu Y,Shou X,Chen W,Lu D,Sun H,Li W,Yu B,Wang X,Zhang X,Yu Y,Lei Z,Tang R,Zhu J, Li Y,Lu L,Zhou H,Zhou S,Su C,Chen X	

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More applications with references on thermofisher.cn

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