

CD90.2 (Thy-1.2) Monoclonal Antibody (53-2.1), FITC, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Rat, Mouse, Human
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), FITC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	53-2.1
Conjugate	FITC
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_465154

Applications	Tested Dilution	Publications
Immunohistochemistry (Frozen) (IHC (F))	-	1 Publication
Immunocytochemistry (ICC/IF)	-	2 Publications
Flow Cytometry (Flow)	0.125 µg/test	22 Publications
Miscellaneous PubMed (Misc)	-	1 Publication

Product Specific Information

Description: The 53-2.1 monoclonal antibody reacts with mouse CD90.2 also known as Thy-1.2, a GPI-linked membrane molecule. CD90.2 is expressed by mouse thymocytes and mature T cells as well as neurons in CD90.2-expressing mouse strains. These strains include BALB/c, CBA, C3H, C57BL/6, C58/, SJL and others. Cells from CD90.1-expressing strains including PL and AKR do not stain with 53-2.1. CD90 is involved in regulation of adhesion and signal transduction by T cells.

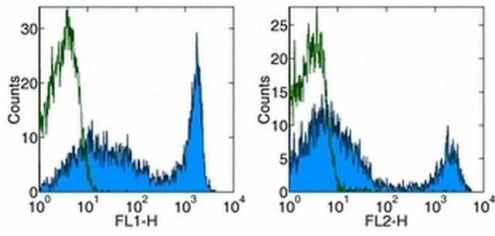
Applications Reported: The 53-2.1 antibody has been reported for use in flow cytometric analysis.

Applications Tested: The 53-2.1 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.

Excitation: 488 nm; Emission: 520 nm; Laser: Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD90.2 (Thy-1.2) Monoclonal Antibody (53-2.1), FITC, eBioscience™



CD90.2 (Thy-1.2) Antibody (11-0902-82) in Flow

Staining of mouse splenocytes with Anti-Mouse CD90.2 (Thy-1.2) FITC (left) or PE (right). Appropriate isotype controls were used (open histogram). Total viable cells were used for analysis.

[View more figures on thermofisher.com](https://www.thermofisher.com)

26 References

Immunohistochemistry (Frozen) (1)

The American journal of pathology

Distinct developmental requirements for isolated lymphoid follicle formation in the small and large intestine: RANKL is essential only in the small intestine.

"11-0902 was used in Immunofluorescence to study the role of RANKL in the development of cryptopatches and isolated lymphoid follicles within intestinal lymphoid tissues."

Authors: Knoop KA,Butler BR,Kumar N,Newberry RD,Williams IR

Species
Mouse

Dilution
Not Cited

Year
2011

Immunocytochemistry (2)

Nature

Single-cell transcriptomics reconstructs fate conversion from fibroblast to cardiomyocyte.

"Published figure using CD90.2 (Thy-1.2) monoclonal antibody (Product # 11-0902-82) in Immunofluorescence"

Authors: Liu Z,Wang L,Welch JD,Ma H,Zhou Y,Vaseghi HR,Yu S,Wall JB,Alimhamadi S,Zheng M,Yin C,Shen W,Prins JF,Liu J,Qian L

Species
Not Applicable

Dilution
Not Cited

Year
2017

Proceedings of the National Academy of Sciences of the United States of America

Dysregulated YAP1/TAZ and TGF- signaling mediate hepatocarcinogenesis in Mob1a/1b-deficient mice.

"11-0902 was used in Immunofluorescence to study the molecular mechanisms underpinning the pathology of Mob1a/1b-deficient mice."

Authors: Nishio M,Sugimachi K,Goto H,Wang J,Morikawa T,Miyachi Y,Takano Y,Hikasa H,Itoh T,Suzuki SO,Kurihara H,Aishima S,Leask A,Sasaki T,Nakano T,Nishina H,Nishikawa Y,Sekido Y,Nakao K,Shin-Ya K,Mimori K,Suzuki A

Species
Mouse

Dilution
Not Cited

Year
2016

Flow Cytometry (22)

Therapeutic advances in chronic disease

Extracellular HMGB-1 activates inflammatory signaling in tendon cells and tissues.

"11-0902 was used in Flow cytometry/Cell sorting to investigate the dose-dependent effect of HMGB-1 on tendon cells and tissues."

Authors: Zhang C,Gu X,Zhao G,Wang W,Shao J,Zhu J,Yuan T,Sun J,Nie D,Zhou Y

Species
Rat

Dilution
1:100

Year
2022

[View more Flow references on thermofisher.com](#)

More applications with references on thermofisher.com

Misc (1)

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