

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

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Fish, Mouse
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), APC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	53-2.1
Conjugate	APC
Form	Liquid
Concentration	0.2 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_469422

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	1 Publication
Immunofluorescence (IF)	-	1 Publication
Flow Cytometry (Flow)	0.06 µg/test	40 Publications

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.

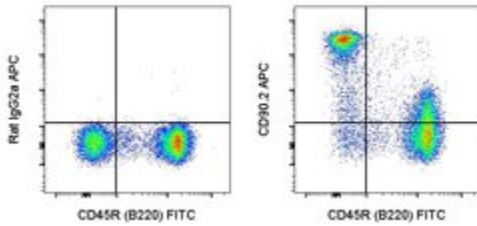
Applications Reported: The 53-2.1 antibody has been reported for use in flow cytometric analysis.

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 0.06 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: 633-647 nm; **Emission:** 660 nm; **Laser:** Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

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



CD90.2 (Thy-1.2) Antibody (17-0902-82) in Flow

C57BL/6 mouse splenocytes were stained with CD45R (B220) Monoclonal Antibody, FITC (Product # 11-0452-82) and 0.06 µg Rat IgG2a kappa Isotype Control, APC (Product # 17-4321-82) (left) or 0.06 µg CD90.2 (Thy-1.2) Monoclonal Antibody, APC (right). Cells in the lymphocyte gate were used for analysis.

[View more figures on thermofisher.com](#)

42 References

Immunohistochemistry (1)

Nature communications

Precardiac organoids form two heart fields via Bmp/Wnt signaling.

"17-0902 was used in Immunohistochemistry to study the specification of two cardiac origins via Bmp/Wnt signalling."

Authors: Andersen P,Tampakakis E,Jimenez DV,Kannan S,Miyamoto M,Shin HK,Saberi A,Murphy S,Sulistio E,Chelko SP,Kwon C

Species
Mouse

Dilution
Not Cited

Year
2018

Immunofluorescence (1)

Nature communications

Precardiac organoids form two heart fields via Bmp/Wnt signaling.

"17-0902 was used in Immunohistochemistry to study the specification of two cardiac origins via Bmp/Wnt signalling."

Authors: Andersen P,Tampakakis E,Jimenez DV,Kannan S,Miyamoto M,Shin HK,Saberi A,Murphy S,Sulistio E,Chelko SP,Kwon C

Species
Mouse

Dilution
Not Cited

Year
2018

Flow Cytometry (40)

Frontiers in endocrinology

The Severe Deficiency of the Somatotrope GH-Releasing Hormone /Growth Hormone/Insulin-Like Growth Factor 1 Axis of Mice Is Associated With an Important Splenic Atrophy and Relative B Lymphopenia.

"17-0902 was used in Flow cytometry/Cell sorting to examine the precise control exerted by the somatotrope growth hormone(GH)-releasing hormone/GH/insulin-like growth factor 1 axis on the immune system."

Authors: Bodart G,Farhat K,Renard-Charlet C,Becker G,Plenevaux A,Salvatori R,Geenen V,Martens H

Species
Mouse

Dilution
Not Cited

Year
2019

Haematologica

A population of hematopoietic stem cells derives from GATA4-expressing progenitors located in the placenta and lateral mesoderm of mice.

"17090282 was used in flow cytometry to utilize a G2-Gata4Cre;R26REYFP mouse line to track the developmental fate of the G2-Gata4 cell lineage"

Authors: Cañete A, Carmona R, Ariza L, Sánchez MJ, Rojas A, Muñoz-Chápuli R

Species
Mouse

Dilution
Not Cited

Year
2017

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

More applications with references on thermofisher.com

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