

CD90.2 (Thy-1.2) Monoclonal Antibody (53-2.1), 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	53-2.1
Conjugate	Biotin
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_466533

Applications	Tested Dilution	Publications
Immunocytochemistry (ICC/IF)	-	1 Publication
Flow Cytometry (Flow)	0.06 µg/test	18 Publications
Miscellaneous PubMed (Misc)	-	2 Publications

Product Specific Information

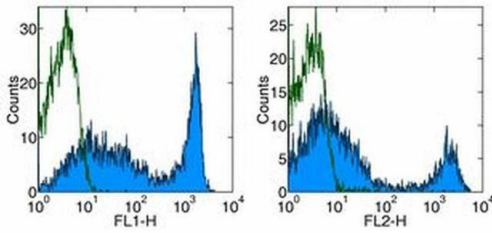
Description: The 53-2.1 monoclonal antibody reacts with mouse CD90.2 also known as Thy-1.2, a GPI-linked membrane molecule. CD90.2 is expressed by mouse thymocytes and mature T cells as well as neurons in CD90.2-expressing mouse strains. These strains include BALB/c, CBA, C3H, C57BL/6, C58/, SJL and 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.

Filtration: 0.2 µm post-manufacturing filtered.

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



CD90.2 (Thy-1.2) Antibody (13-0902-82) 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](#)

21 References

Immunocytochemistry (1)

Nature

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

"Published figure using CD90.2 (Thy-1.2) monoclonal antibody (Product # 13-0902-82) in Immunofluorescence"

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

Species

Not Applicable

Dilution

Not Cited

Year

2017

Flow Cytometry (18)

International journal of molecular sciences

Therapeutic Potential of Mesenchymal Stem Cells in a Pre-Clinical Model of Diabetic Kidney Disease and Obesity.

"Published figure using CD90.2 (Thy-1.2) monoclonal antibody (Product # 13-0902-82) in Flow Cytometry"

Authors: Sávio-Silva C,Soinski-Sousa PE,Simplicio-Filho A,Bastos RMC,Beyerstedt S,Rangel ÉB

Species

Not Applicable

Dilution

Not Cited

Year

2021

Scientific reports

SHP2 blockade enhances anti-tumor immunity via tumor cell intrinsic and extrinsic mechanisms.

"13-0902-82 was used in Flow Cytometry to reveal novel functions of SHP2 in tumor immunity and proposes that targeting SHP2 is a promising strategy for cancer immunotherapy."

Authors: Wang Y,Mohseni M,Grauel A,Diez JE,Guan W,Liang S,Choi JE,Pu M,Chen D,Laszewski T,Schwartz S,Gu J,Mansur L,Burks T,Brodeur L,Velazquez R,Kovats S,Pant B,Buruzula G,Deng E,Chen JT,Sari-Sarraf F,Dornelas C,Varadarajan M,Yu H,Liu C,Lim J,Hao HX,Jiang X,Malamas A,LaMarche MJ,Geyer FC,McLaughlin M,Costa C,Wagner J,Ruddy D,Jayaraman P,Kirkpatrick ND,Zhang P,Iartchouk O,Aardalen K,Cremasco V,Dranoff G,Engelman JA,Silver S,Wang H,Hastings WD,Goldoni S

Species

Mouse

Dilution

Not Cited

Year

2021

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

Miscellaneous PubMed (2)

The composition of the microbiota modulates allograft rejection.

"13-0902 was used in Magnetic cell separation to test the influence of host and donor microbiota on skin transplant rejection."

Authors: Lei YM, Chen L, Wang Y, Stefka AT, Molinero LL, Theriault B, Aquino-Michaels K, Sivan AS, Nagler CR, Gajewski TF, Chong AS, Bartman C, Alegre ML

Species
Mouse

Dilution
Not Cited

Year
2016

More applications with references on thermofisher.com

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