

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

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Fish, Mouse, Human
Host/Isotype	Rat / IgG2a, kappa
Class	Monoclonal
Type	Antibody
Clone	53-2.1
Conjugate	Unconjugated
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
RRID	AB_467379

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	2 Publications
Immunohistochemistry (Frozen) (IHC (F))	Assay-Dependent	-
Immunocytochemistry (ICC)	-	1 Publication
Immunofluorescence (IF)	-	4 Publications
Flow Cytometry (Flow)	0.06 µg/test	44 Publications
Immunoprecipitation (IP)	Assay-Dependent	-

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, immunoprecipitation, and immunohistochemical staining of frozen tissue sections.

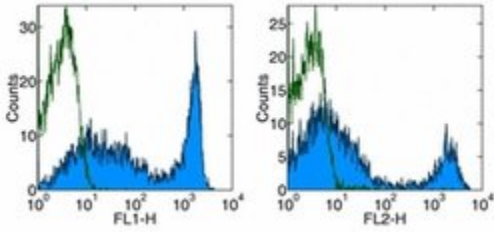
Applications Tested: The 53-2.1 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 0.06 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined 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.

Purity: Greater than 90%, as determined by SDS-PAGE.

Aggregation: Less than 10%, as determined by HPLC.

Filtration: 0.2 µm post-manufacturing filtered.

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



CD90.2 (Thy-1.2) Antibody (14-0902-82) in Flow

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

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51 References

Immunohistochemistry (2)

Cell death and disease

Renin-angiotensin system regulates neurodegeneration in a mouse model of normal tension glaucoma.

"14-0902 was used in Immunohistochemistry to identify the coupling of ER and CMA as a critical regulatory axis fundamental for physiological and pathological stress response."

Authors: Semba K, Namekata K, Guo X, Harada C, Harada T, Mitamura Y

Species
Mouse

Dilution
Not Cited

Year
2014

Immunity

Retinoic Acid Differentially Regulates the Migration of Innate Lymphoid Cell Subsets to the Gut.

"14090282 was used in flow cytometry and immunohistochemistry to discuss tissue tropisms of innate lymphoid cells"

Authors: Kim MH, Taparowsky EJ, Kim CH

Species
Mouse

Dilution
Not Cited

Year
2015

Immunocytochemistry (1)

Experimental neurology

The generation of olfactory epithelial neurospheres in vitro predicts engraftment capacity following transplantation in vivo.

"14-0902 was used in Immunocytochemistry-immunofluorescence to demonstrate that sphere formation serves as a biomarker for engraftment capacity and multipotency of olfactory progenitors."

Authors: Krolewski RC, Jang W, Schwob JE

Species
Mouse

Dilution
Not Cited

Year
2011

Immunofluorescence (4)

Experimental neurology

The generation of olfactory epithelial neurospheres in vitro predicts engraftment capacity following transplantation in vivo.

"14-0902 was used in Immunocytochemistry-immunofluorescence to demonstrate that sphere formation serves as a biomarker for engraftment capacity and multipotency of olfactory progenitors."

Authors: Krolewski RC, Jang W, Schwob JE

Species
Mouse

Dilution
Not Cited

Year
2011

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Flow (44)

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