

## Product Information

Contents: Phycoerythrin (PE) anti-mouse CD90.2 (Thy-1.2, Thy1.2)

Catalog Number: 12-0902

Sizes: 50 ug, 100 ug, 200 ug

Formulation: Phosphate buffer pH 7.2,  
150 mM NaCl, 0.09% NaN<sub>3</sub>

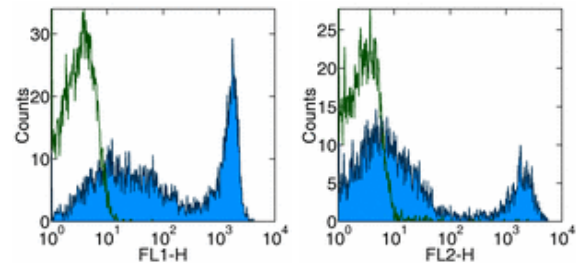
Storage Conditions: Store at 4°C.

DO NOT FREEZE.

LIGHT-SENSITIVE MATERIAL.

Clone: 53-2.1

Isotype: Rat IgG2a, κ



Surface staining of mouse splenocytes with anti-mouse CD90.2 (53-2.1) FITC. Appropriate isotype controls were used (open histogram). Total viable cells were used for analysis.

## Available Formats of This Product

Cat. No.	Format	Excite (nm)	Emit (nm)	Reported Applications
11-0902	FITC anti-mouse CD90.2 (Thy-1.2, Thy1.2)	488	518	FC
12-0902	PE anti-mouse CD90.2 (Thy-1.2, Thy1.2)	488	575	FC
13-0902	Biotin anti-mouse CD90.2 (Thy-1.2, Thy1.2)	N/A	N/A	FC
14-0902	Affinity Purified anti-mouse CD90.2 (Thy-1.2, Thy1.2)	N/A	N/A	FC IH/F IP
15-0902	PE-Cy5 anti-mouse CD90.2 (Thy-1.2, Thy1.2)	488	670	FC
17-0902	APC anti-mouse CD90.2 (Thy-1.2, Thy1.2)	633	660	FC

## 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.

## Usage

For research use only, not for diagnostic or therapeutic use. 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 splenocyte suspensions. This can be used at less than or equal to 0.06 µg per million cells in a 100 µl total staining volume. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

## Related Products

Cat. 11-0902	FITC anti-mouse CD90.2 (Thy-1.2, Thy1.2) (clone 53-2.1)
Cat. 13-0902	Biotin anti-mouse CD90.2 (Thy-1.2, Thy1.2) (clone 53-2.1)
Cat. 14-0902	Affinity Purified anti-mouse CD90.2 (Thy-1.2, Thy1.2) (clone 53-2.1)
Cat. 15-0902	PE-Cy5 anti-mouse CD90.2 (Thy-1.2, Thy1.2) (clone 53-2.1)
Cat. 17-0902	APC anti-mouse CD90.2 (Thy-1.2, Thy1.2) (clone 53-2.1)
Cat. 11-0903	FITC anti-mouse CD90.2 (Thy-1.2, Thy1.2) (clone 30-H12)
Cat. 12-0903	PE anti-mouse CD90.2 (Thy-1.2, Thy1.2) (clone 30-H12)
Cat. 13-0903	Biotin anti-mouse CD90.2 (Thy-1.2, Thy1.2) (clone 30-H12)
Cat. 14-0903	Affinity Purified anti-mouse CD90.2 (Thy-1.2, Thy1.2) (clone 30-H12)

Cat. 16-0903 Functional Grade Purified anti-mouse CD90.2 (Thy-1.2, Thy1.2) (clone 30-H12)  
Cat. 12-4321 PE Rat IgG2a Isotype Control

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#### References

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Ledbetter, J. A. and L. A. Herzenberg (1979). "Xenogeneic monoclonal antibodies to mouse lymphoid differentiation antigens." Immunol Rev 47: 63-90.

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