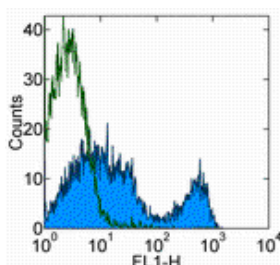


## Anti-Mouse CD90.2 (Thy-1.2) Purified

Catalog Number: 14-0903

Also Known As: Thy1.2

RUO: For Research Use Only



Staining of BALB/c splenocytes with 0.06 ug of Rat IgG2a K Isotype Control Purified (cat. 14-4031) (open histogram) or 0.06 ug of Anti-Mouse CD90.2 (Thy-1.2) Purified (filled histogram) followed by Anti-Rat IgG FITC (cat. 11-4811). Cells in the lymphocyte gate were used for analysis.

### Product Information

**Contents:** Anti-Mouse CD90.2 (Thy-1.2) Purified

**REF** **Catalog Number:** 14-0903

**Clone:** 30-H12

**Concentration:** 0.5 mg/mL

**Host/Isotype:** Rat IgG2b, kappa

**Formulation:** aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer



**Temperature Limitation:** Store at 2-8°C.



**Batch Code:** Refer to Vial



**Use By:** Refer to Vial



**Caution, contains Azide**

### Description

The 30-H12 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 30-H12. CD90 is involved in regulation of adhesion and signal transduction by T cells.

### Applications Reported

The 30-H12 antibody has been reported for use in flow cytometric analysis, and immunohistochemical staining of frozen tissue sections. It has also been reported in *in vivo* and *in vitro* depletion. (Please use Functional Grade purified 30-H12, cat. 16-0903, in functional assays.)

### Applications Tested

The 30-H12 antibody has been tested by flow cytometric analysis of mouse splenocyte suspensions. 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 10<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

### References

Sugai M, Kondo S, Shimizu A, Honjo T. Isolation of differentially expressed genes upon immunoglobulin class switching by a subtractive hybridization method using uracil DNA glycosylase. *Nucleic Acids Res.* 1998 Feb 5;26(4):911-8. (In vitro depletion)

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

### Related Products

11-4811 Anti-Rat IgG FITC

14-4031 Rat IgG2b K Isotype Control Purified

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