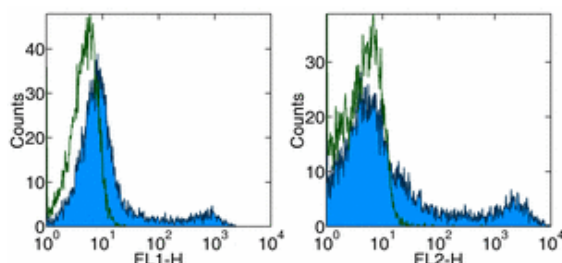


## Anti-Mouse/Rat CD90.1 (Thy-1.1) Purified

Catalog Number: 14-0900

Also Known As: Thy1.1

RUO: For Research Use Only



Surface staining of rat splenocytes with Anti-Mouse/Rat CD90.1 (Thy-1.1) FITC (left) and PE (right). Appropriate isotype controls were used (open histogram). Total viable cells were used for analysis.

### Product Information

Contents: Anti-Mouse/Rat CD90.1 (Thy-1.1) Purified

**REF** Catalog Number: 14-0900

Clone: HIS51

Concentration: 0.5 mg/ml

Host/Isotype: Mouse IgG2a,  $\kappa$

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 HIS51 monoclonal antibody reacts with rat CD90 and cross-reacts with mouse CD90.1, a GPI-linked membrane molecule. In the rat, CD90 is expressed by hematopoietic stem cells, immature B cells, thymocytes, recent thymic emigrants, neurons, inflamed endothelia and other cell types. In the CD90.1-expressing mouse strains, PL and AKR, CD90 is expressed by early hematopoietic cells in the bone marrow, thymocytes and mature T cells.

### Applications Reported

The HIS51 antibody has been reported for use in flow cytometric analysis, and immunohistochemical staining of frozen tissue sections.

### Applications Tested

The HIS51 antibody has been tested by flow cytometric analysis of rat thymocyte and splenocyte suspensions. This can be used at less than or equal to 0.125  $\mu$ g per test. A test is defined as the amount ( $\mu$ g) of antibody that will stain a cell sample in a final volume of 100  $\mu$ L. Cell number should be determined empirically but can range from  $10^5$  to  $10^8$  cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

### References

- Kroese, F. G., N. K. de Boer, et al. 1995. Identification and kinetics of two recently bone marrow-derived B cell populations in peripheral lymphoid tissues. *Cell Immunol* 162(2): 185-93.
- Hosseinzadeh, H. and I. Goldschneider 1993. Recent thymic emigrants in the rat express a unique antigenic phenotype and undergo post-thymic maturation in peripheral lymphoid tissues. *J Immunol* 150(5): 1670-9.
- Ishizu, A., H. Ishikura, et al. 1995. Thy-1 induced on rat endothelium regulates vascular permeability at sites of inflammation. *Int Immunol* 7 (12): 1939-47.
- Hermans, M. H. and D. Opstelten 1991. In situ visualization of hemopoietic cell subsets and stromal elements in rat and mouse bone marrow by immunostaining of frozen sections. *J Histochem Cytochem* 39(12): 1627-34.

### Related Products

- 11-4011 Anti-Mouse IgG FITC
- 11-4317 Streptavidin FITC
- 12-4317 Streptavidin PE
- 13-4013 Anti-Mouse IgG Biotin (Polyclonal)
- 14-4724 Mouse IgG2a K Isotype Control Purified
- 17-4317 Streptavidin APC

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