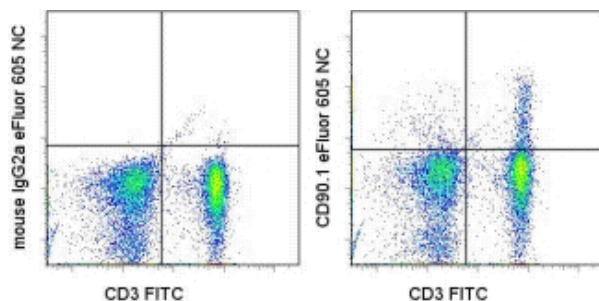


Anti-Mouse/Rat CD90.1 (Thy-1.1) eFluor® 605NC

Catalog Number: 93-0900

Also Known As: Thy1.1

RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of rat splenocytes with Anti-Rat CD3 FITC (cat. 11-0030) and Mouse IgG2a K Isotype Control eFluor® 605NC (cat. 93-4724) (left) or Anti-Mouse/Rat CD90.1 (Thy-1.1) eFluor® 605NC (right). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse/Rat CD90.1 (Thy-1.1) eFluor® 605NC

REF **Catalog Number:** 93-0900

Clone: HIS51

Concentration: 5 µL

Host/Isotype: Mouse IgG2a, kappa

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



Temperature Limitation: Store at 2-8°C. Light sensitive material. This product is guaranteed for 6 months upon receipt when stored properly.



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

This HIS51 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This HIS51 antibody has been pre-titrated and tested by flow cytometric analysis of rat splenocytes. This can be used at 5 µL per test. A test is defined as the amount 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

The Mouse IgG2a Isotype Control eFluor 605NC (cat. 93-4724) should be used at 5 µL/test.

Laser/Filter Recommendation: When using eFluor 605NC, we recommend excitation with the 405nm violet laser with an appropriate filter set, such as the 595LP dichroic mirror with the 605/40 bandpass filter. An acceptable alternative is the 610/20 bandpass filter. For instruments not equipped with a violet laser, the eFluor 605NC is also excited by the 488 nm blue laser and can be used as a PE-Texas Red alternative.

Fixation Recommendation: When fixing samples that have been stained with nanocrystal reagents, we recommend keeping the total volume at approximately 200 µL of IC Fixation Buffer (cat. 00-8222) and the exposure time 30-60 minutes to preserve the optimal fluorescent signal from the nanocrystal reagent.

For answers about fixation and other questions, please refer to Nanocrystal Frequently Asked Questions or contact eBioscience Technical Support.

References

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.

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.

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

00-4222 Flow Cytometry Staining Buffer

11-0030 Anti-Rat CD3 FITC (eBioG4.18 (G4.18))

93-4724 Mouse IgG2a K Isotype Control eFluor® 605NC

Legal

Under patent number: US 7,939,170 and additional pending patent application(s)

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