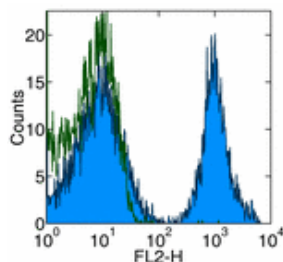


Anti-Rat CD5 PE

Catalog Number: 12-0050
Also Known As: MGC114334
RUO: For Research Use Only



Staining of rat splenocytes with 0.125 µg of Mouse IgG2a κ Isotype Control PE (cat. 12-4724) (open histogram) and 0.125 µg of Anti-Rat CD5 PE (filled histogram). Total viable cells were used for analysis.

Product Information

Contents: Anti-Rat CD5 PE

REF Catalog Number: 12-0050

Clone: HIS47

Concentration: 0.2 mg/ml

Host/Isotype: Mouse IgG2a, κ

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



Temperature Limitation: Store at 2-8°C. Do not freeze. Light sensitive material.



Batch Code: Refer to Vial



Use By: Refer to Vial



Caution, contains Azide

Description

The HIS47 monoclonal antibody reacts with rat CD5, a 67 kDa surface protein expressed by a majority of thymocytes and mature T cells. While mouse and human CD5 is also expressed on a small subset of B cells called B-1 cells, such CD5⁺ B cell subset has not been identified in the rat so far. CD5 is a counter-receptor for CD72 and plays a role in the T-B cell interaction.

Applications Reported

The HIS47 antibody has been reported for use in flow cytometric analysis.

Applications Tested

The HIS47 antibody has been tested by flow cytometric analysis of rat splenocyte suspensions. This can be used at less than or equal to 0.25 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.

References

Vermeer LA, de Boer NK, Bucci C, Bos NA, Kroese FG, Alberti S. 1994. MRC OX19 recognizes the rat CD5 surface glycoprotein, but does not provide evidence for a population of CD5bright B cells. *Eur J Immunol.* 24(3):585-92.

Vermeer L, Bos N, Kroese F, Bucci C, Alberti S. 1992. Molecular cloning of the rat CD5 gene. *Ann N Y Acad Sci.* 651:82-3.

de Boer NK, Ammerlaan WA, Meedendorp B, Kroese FG. 1992. CD5 B cells in the rat? *Ann N Y Acad Sci.* 651:157-9.

Related Products

12-4724 Mouse IgG2a K Isotype Control PE

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