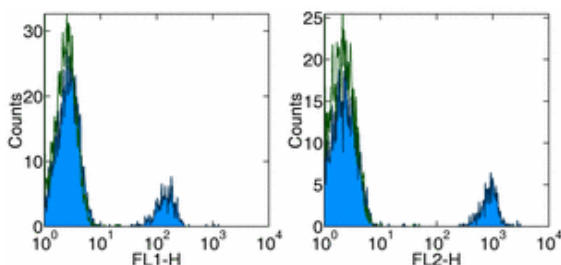


Anti-Human CD19 Purified

Catalog Number: 14-0199

Also Known As: Leu-12

RUO: For Research Use Only



Staining of normal human peripheral blood cells with Anti-Human CD19 FITC (left) and PE (right). Autofluorescence is indicated by open histogram. Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Human CD19 Purified

REF Catalog Number: 14-0199

Clone: HIB19

Concentration: 0.5 mg/mL

Host/Isotype: Mouse IgG1, κ

HLDA Workshop: V CD19.11

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

Description

The HIB19 monoclonal antibody reacts with human CD19, a 95 kDa transmembrane glycoprotein. CD19 is expressed by B cells during all stages of development excluding the terminally differentiated plasma cells. Follicular dendritic cells also express CD19. Together CD21, CD81, Leu13, MHC class II, and CD19 form a multimolecular complex that associates with BCR. Signaling through CD19 induces tyrosine phosphorylation, calcium flux and proliferation of B cells.

Applications Reported

The HIB19 antibody has been reported for use in flow cytometric analysis, and immunohistochemical staining of frozen tissue sections. It has also been reported in *in vitro* functional studies. (Please use Functional Grade purified HIB19, cat. 16-0199, in functional assays.)

Applications Tested

This HIB19 antibody has been tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at less than or equal to 1 μ g per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ 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

Knapp, W., B. Dorken, et al. eds. (1989). Leucocyte Typing IV: White Cell Differentiation Antigens. Oxford University Press. New York.

Schlossman, S., L. Bloumsell, et al. eds (1995). Leucocyte Typing V: White Cell Differentiation Antigens. Oxford University Press. New York.

Related Products

14-4714 Mouse IgG1 K Isotype Control Purified

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