

## Product Information

Contents: Phycoerythrin (PE) anti-human CD19

Catalog Number: 12-0199

Sizes: 25 tests, 100 tests

Formulation: Phosphate buffer pH 7.2,  
150 mM NaCl, 0.09% NaN<sub>3</sub>, 0.2% BSA

Storage Conditions: Store at 4°C.

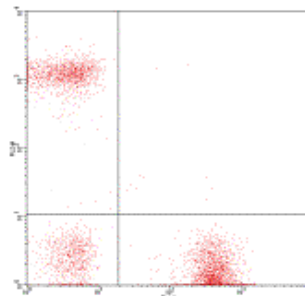
DO NOT FREEZE.

LIGHT-SENSITIVE MATERIAL.

Clone: HIB19

Isotype: Mouse IgG1, κ

HLDA No.: V CD19.11



2-color staining of human peripheral blood lymphocytes with PE anti-human CD19 (HIB19) and FITC anti-human CD3 (UCHT1, cat.no. 11-0038)

## Available Formats of This Product

| Cat. No. | Format                                        | Excite (nm) | Emit (nm) | Reported Applications |
|----------|-----------------------------------------------|-------------|-----------|-----------------------|
| 10-0199  | Allophycocyanin-Cy7 (APC-Cy7) anti-human CD19 | 633         | 760       | FC                    |
| 11-0199  | FITC anti-human CD19                          | 488         | 518       | FC                    |
| 12-0199  | PE anti-human CD19                            | 488         | 575       | FC                    |
| 13-0199  | Biotin anti-human CD19                        | N/A         | N/A       | FC                    |
| 14-0199  | Affinity Purified anti-human CD19             | N/A         | N/A       | FA FC IH/F            |
| 15-0199  | PE-Cy5 anti-human CD19                        | 488         | 670       | FC                    |
| 16-0199  | Functional Grade* Purified anti-human CD19    | N/A         | N/A       | FA FC                 |
| 17-0199  | APC anti-human CD19                           | 633         | 660       | FC                    |
| 25-0199  | Phycoerythrin-Cy7 (PE-Cy7) anti-human CD19    | 488         | 760       | FC                    |

\*Functional Grade™ (FG™): Azide-free, sterile-filtered, and endotoxin < 0.001 ng/μg.

Purified: Contains azide, not sterile-filtered, and not endotoxin tested.

## 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.

## Usage

For research use only, not for diagnostic or therapeutic use. The HIB19 antibody has been reported for use in flow cytometric analysis.

## Applications Tested

The HIB19 antibody has been pre-titrated and tested by flow cytometric analysis of human peripheral blood leukocytes. This can be used at 20 μl per 100 μl blood (or per 1 million cells in 100 μl total staining volume).

## Related Products

Cat. 10-0199 Allophycocyanin-Cy7 (APC-Cy7) anti-human CD19 (clone HIB19)

Cat. 11-0199 FITC anti-human CD19 (clone HIB19)

Cat. 13-0199 Biotin anti-human CD19 (clone HIB19)  
Cat. 14-0199 Affinity Purified anti-human CD19 (clone HIB19)  
Cat. 15-0199 PE-Cy5 anti-human CD19 (clone HIB19)  
Cat. 17-0199 APC anti-human CD19 (clone HIB19)  
Cat. 25-0199 Phycoerythrin-Cy7 (PE-Cy7) anti-human CD19 (clone HIB19)  
Cat. 12-4714 Phycoerythrin (PE) Mouse IgG1, K Isotype Control

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## References

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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.

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