Technical Data Sheet

FITC Mouse Anti-Human CD19

Product Information

560994 **Material Number:**

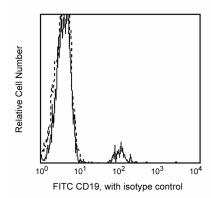
B4; B-lymphocyte antigen CD19; Leu-12 Alternate Name:

25 tests Size: 20 µl Vol. per Test: HIB19 Clone: Isotype: Mouse IgG1, κ Reactivity: QC Testing: Human V CD19.11 Workshop:

Aqueous buffered solution containing BSA and ≤0.09% sodium azide. Storage Buffer:

Description

The HIB19 monoclonal antibody specificially binds to the 95 kDa type I transmembrane CD19 glycoprotein. CD19 is expressed during all stages of B-cell maturation and differentiation, except on plasma cells. CD19 is also present on follicular dendritic cells. It is not found on T cells or on normal granulocytes. CD19 is a signal transduction molecule that regulates B cell development, activation, proliferation and differentiation. It associates with the complement receptor 2 (CD21), TAPA-1 (CD81), Leu 13, and/or MHC class II to form a signal transduction complex on the surface of B cells. Anti-CD19 clone HIB19 partially blocks the binding of clone B43, another CD19-specific monoclonal antibody.



Profile of peripheral blood lymphocytes analyzed on a FACScan (BDIS, San Jose, CA)

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

The antibody was conjugated with FITC under optimum conditions, and unreacted FITC was removed.

Store undiluted at 4°C and protected from prolonged exposure to light. Do not freeze.

Application Notes

Application

Flow cytometry Routinely Tested

Suggested Companion Products

Catalog Number Size Clone FITC Mouse IgG1, κ Isotype Control MOPC-21 555748 100 tests

Product Notices

- 1. This reagent has been pre-diluted for use at the recommended Volume per Test. We typically use 1×10^6 cells in a 100- μ l experimental sample (a test).
- Since applications vary, each investigator should titrate the reagent to obtain optimal results. 2.
- Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.

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- 4. For fluorochrome spectra and suitable instrument settings, please refer to our Fluorochrome Web Page at www.bdbiosciences.com/colors.
- 5. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.
- 6. Source of all serum proteins is from USDA inspected abattoirs located in the United States.

References

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