

## PRODUCT INFORMATION SUMMARY

### Anti-CD19

Cat. No. MB190020	Purified	0.1 mg
Cat. No. MB190030	FITC	100 Tests
Cat. No. MB190070	Phycoerythrin	100 Tests
Cat No. MB190060	Biotin	1.0 mL

#### ANTIGEN DISTRIBUTION AND SPECIFICITY:

The CD19 antigen is a 95 kD cell surface phosphoglycoprotein present on all B cells except plasma cells, and is absent from normal T cells and granulocytes. CD19 is a member of the immunoglobulin supergene family and mediates calcium ion fluxes.

**CLONE:** Clone C1 was produced by hybridization of murine myeloma cells and spleen cells from mice immunized with Nalm-1 and 16 cells. Affinity purified from murine ascites fluid using Protein G.

Immunoglobulin chain composition: Mouse IgG1.

**CONJUGATION:** R-phycoerythrin; FITC, Biotin

#### HANDLING AND STORAGE:

All forms of this monoclonal antibody are supplied as 1.0 mL of ready to use liquid. All conjugates should be protected from prolonged exposure to light. This reagent is in a medium containing 0.01M phosphate-buffered saline, 0.2% gelatin and 0.1% sodium azide. All reagents in a liquid state should be stored at 2-8° C when not in use.

#### PRODUCT USE:

For flow cytometry **use 10 uL per test** to stain no more than one million cells. For immunohistochemistry, use enough diluted reagent to cover the tissue section or cytoprep. Working dilution should be optimized, suggested range is 1:40- 1:80.

#### RESEARCH APPLICATIONS:

Applications include: enumeration of B cells in peripheral blood; identification of B cells in lymphoid tissues; characterization of non-T acute lymphoblastic leukemia, B cell chronic lymphocytic leukemias and B cell lymphomas.

**FOR RESEARCH USE ONLY. NOT INTENDED FOR THERAPEUTIC OR DIAGNOSTIC USE.**

