



T9-663-T100

Monoclonal Antibody to CD19 PerCP-Cy[™]5.5 conjugated (100 tests)

Clone: 4G7

Isotype: Mouse IgG1

Specificity: The mouse monoclonal antibody 4G7 recognizes CD19 (B4), a 95 kDa type I

transmembrane glycoprotein of immunoglobulin superfamily, expressed on B

lymphocytes and follicular dendritic cells; it is lost on plasma cells.

WS Code: 2 B43

Regulatory Status: RUO

Immunogen: Human CCL (chronic lymphocytic leukemia) cells

Species Reactivity: Human

Preparation: The purified antibody is conjugated with tandem dye PerCP-Cy™5.5 under

optimum conditions. The conjugate is purified by size-exclusion chromatography

and adjusted for direct use. No reconstitution is necessary.

Storage Buffer: The reagent is provided in stabilizing phosphate buffered saline (PBS) solution

containing 15mM sodium azide.

Storage / Stability: Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. Do not

use after expiration date stamped on vial label.

Usage: The reagent is designed for Flow Cytometry analysis of human blood cells using 4

μl reagent / 100 μl of whole blood or 10° cells in a suspension.

The content of a vial (0.4 ml) is sufficient for 100 tests.

Expiration: See vial label

Lot Number: See vial label

Background:CD19 is a transmembrane glycoprotein of lg superfamily expressed by B cells from the time of heavy chain rearrangement until plasma cell differentiation. It forms a

tetrameric complex with CD21 (complement receptor type 2), CD81 (TAPA-1) and Leu13. Together with BCR (B cell antigen receptor), this complex signals to decrease B cell treshold for activation by the antigen. Besides being signal-amplifying coreceptor for BCR, CD19 can also signal independently of BCR coligation and it turns out to be a central regulatory component upon which multiple signaling pathways converge. Mutation of the CD19 gene results in hypogammaglobulinemia, whereas CD19 overexpression causes B cell

hyperactivity.



PRODUCT DATA SHEET

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*And many other.

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