EXBIO Antibodies

PRODUCT DATA SHEET

1P-154-T025

Monoclonal Antibody to CD70 Phycoerythrin (PE) conjugated (25 tests)

Clone: Ki-24

Isotype: Mouse IgG3

Specificity: The mouse monoclonal antibody Ki-24 recognizes CD70, an approximately 50 kDa type II transmembrane glycoprotein expressed on activated lymphocytes and some B cell leukemias.
Workshop Code: IV A109

Regulatory Status: RUO

Species Reactivity: Human

Preparation: The purified antibody is conjugated with R-Phycoerythrin (PE) 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 10 µl reagent / 100 µl of whole blood or 10^6 cells in a suspension.
The content of a vial (0.25 ml) is sufficient for 25 tests.

Expiration: See vial label

Lot Number: See vial label

Background: CD70, also known as TNFSF7 or CD27L, is a 50 kDa type II transmembrane glycoprotein of the TNF superfamily. It is expressed mainly on activated lymphocytes, including NK cells, and forms trimeric structure. CD70 plays a role in T-cell activation, proliferation and differentiation, in enhancing the generation of cytolytic T cells, and in long-term maintenance of T cell memory. It is also involved in B cell differentiation induced by activated plasmacytoid dendritic cells, which also express CD70.

For laboratory research only, not for drug, diagnostic or other use.

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References:

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