Monoclonal Antibody to NG2 / Chondroitin sulfate proteoglycan 4 Phycoerythrin (PE) conjugated (25 tests)

Clone: 7.1
Isotype: Mouse IgG1
Specificity: The mouse monoclonal antibody 7.1 recognizes NG2, the melanoma-associated chondroitin sulfate proteoglycan 4 of Mw approximately 220-300 kDa.
Regulatory Status: RUO
Immunogen: Human bone marrow stromal cells infected with SV-40
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: NG2 / Chondroitin sulfate proteoglycan 4 is expressed on glial cell populations, but not on normal hepatopoietic cells. It is an integral membrane chondroitin sulfate proteoglycan expressed by human malignant melanoma cells, where it plays role in stabilizing cell-substratum interactions during early events of melanoma cell spreading on endothelial basement membranes, and supports signaling pathways important for tumor invasion and growth. NG2 also serves as an AML blast tumor marker associated with poor prognosis.

References:
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