

TECHNICAL DATA SHEET

CyFlow™ OPAL1 PE Anti-Hu; Clone OPAL1-01

REF BC925482

**For Research Use Only.
Not for use in diagnostic or therapeutic procedures.**

Specifications

Antigen	OPAL1
Alternative Names	—
Clone	OPAL1-01
Clonality	monoclonal
Format	PE
Host / Isotype	Mouse / IgG2a
Species Reactivity	Human
Negative Species Reactivity	—
Quantity [Concentration]	0.1 mg [0.1 mg/ml]
Immunogen	Recombinant fragment of human OPAL1 (amino acids 152-342)

Specificity

The mouse monoclonal antibody OPAL1-01 recognizes OPAL1 (outcome predictor in acute leukemia 1) antigen, a transmembrane adaptor protein expressed mainly by megacaryocytes and platelets.

Contact Information:

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Application

The reagent is designed for Flow Cytometry analysis. Working concentrations should be determined by the investigator.

Other usages may be determined from the scientific literature.

Storage Buffer

The reagent is provided in stabilizing phosphate buffered saline (PBS) solution, pH \approx 7.4, containing 0.1% (w/v) sodium azide.

Storage and Stability

Storage	Avoid prolonged exposure to light. Store in the dark at 2-8°C. Do not freeze.
Stability	Do not use after expiration date stamped on vial label.

Background Information

OPAL1 (outcome predictor in acute leukemia 1) is an almost uncharacterized transmembrane adaptor protein expressed mainly by megacaryocytes and platelets. Its expression is enhanced on TEL/AML leukemic cells. The function of OPAL1 is unknown, although the presence of a cytochrome c-like heme-binding site and a transmembrane domain suggested OPAL1 may be involved in the mitochondrial electron transport chain. Its originally reported prognostic impact appears to be treatment dependent.

References

- Holleman A, den Boer ML, Cheek MH, Kazemier KM, Pei D, Downing JR, Janka-Schaub GE, Göbel U, Graubner UB, Pui CH, Evans WE, Pieters R: Expression of the outcome predictor in acute leukemia 1 (OPAL1 gene is not an independent prognostic factor in patients treated according to COALL or St Jude protocols. Blood. 2006 Sep 15; 108(6):1984-90. < PMID: 16709928 >

The Safety Data Sheet for this product is available at www.sysmex-partec.com/services.

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