

## TECHNICAL DATA SHEET

### CyFlow™ OPAL1 Purified Anti-Hu; Clone OPAL1-01

**REF** CU433937

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

### Specifications

<b>Antigen</b>	OPAL1
<b>Alternative Names</b>	—
<b>Clone</b>	OPAL1-01
<b>Clonality</b>	monoclonal
<b>Format</b>	Purified
<b>Host / Isotype</b>	Mouse / IgG2a
<b>Species Reactivity</b>	Human
<b>Negative Species Reactivity</b>	—
<b>Quantity [Concentration]</b>	0.1 mg [ 1 mg/ml ]
<b>Immunogen</b>	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

Based on published sources, this antibody is suitable for the following applications:

- Flow cytometry
- Western blot

## Storage Buffer

The reagent is provided in Tris buffered saline (TBS) solution, pH  $\approx$ 8.0, containing 0.1% (w/v) sodium azide.

## Storage and Stability

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

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The Safety Data Sheet for this product is available at [www.sysmex-partec.com/services](http://www.sysmex-partec.com/services).

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