

TECHNICAL DATA SHEET

CyFlow™ BrdU Purified Clone Bu20a

REF CU642595

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

Specifications

Antigen	5-bromodeoxyuridine
Alternative Names	—
Clone	Bu20a
Clonality	monoclonal
Format	Purified
Host / Isotype	Mouse / IgG1
Species Reactivity	n/a
Negative Species Reactivity	—
Quantity [Concentration]	0.1 mg [1 mg/ml]
Immunogen	5-bromodeoxyuridine conjugated to BSA

Specificity

The mouse monoclonal antibody Bu20a reacts specifically with 5-bromodeoxyuridine (BrdU) incorporated into DNA during S-phase of a cell cycle. It is useful for detecting proliferating cells by flow cytometry or immunohistochemistry staining.

Contact Information:

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Application

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

- Flow cytometry
- Immunohistochemistry

Storage Buffer

The reagent is provided in 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

5-bromodeoxyuridine (BrdU) is a thymidine analog which is selectively incorporated into the DNA of proliferating cells to provide a marker for the DNA being replicated. The number of proliferating cells can then be detected in cell lysates, tissue sections or suspensions using an antibody specific for the BrdU.

References

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

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