



Antibodies

11-682-C100

## Monoclonal Antibody to 5-bromodeoxyuridine (BrdU) Purified Antibody (0.1 mg)

<b>Clone:</b>	Bu20a
<b>Isotype:</b>	Mouse IgG1
<b>Specificity:</b>	The antibody Bu20a reacts specifically with BrdU incorporated into DNA during S-phase of a cell cycle. It is useful for detecting proliferating cells by flow cytometry or immunohistochemistry staining.
<b>Regulatory Status:</b>	RUO
<b>Immunogen:</b>	Bromodeoxyuridine conjugated to BSA
<b>Application:</b>	Flow Cytometry Immunohistochemistry (paraffin sections) Immunohistochemistry (frozen sections)
<b>Purity:</b>	> 95% (by SDS-PAGE)
<b>Purification:</b>	Purified by protein-A affinity chromatography
<b>Concentration:</b>	1 mg/ml
<b>Storage Buffer:</b>	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4
<b>Storage / Stability:</b>	Store at 2-8°C. Do not freeze. Do not use after expiration date stamped on vial label.
<b>Expiration:</b>	See vial label
<b>Lot Number:</b>	See vial label
<b>Background:</b>	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.

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

**Antibodies****References:**

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- \*Shih CH, Whalen BA, Goto Y, Hogg JC, van Eeden SF: Flow cytometric method for enumeration and characterization of newly released polymorphonuclear leukocytes from the bone marrow using 5'-bromo-2'-deoxyuridine. *Am J Physiol Cell Physiol.* 2005 Sep;289(3):C757-65.
- \*Martín CA, Surur JM, García MN, Corrons F, Badrán AF: Comparative study of DNA synthesis and nucleolar organizer regions of sinusoid littoral cells in mouse regenerating liver. *Biocell.* 2005 Apr;29(1):33-8.
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- \*And many other.

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