

Mouse BrdU Monoclonal Antibody | anti-BrdU antibody

MOUSE ANTI BrdU

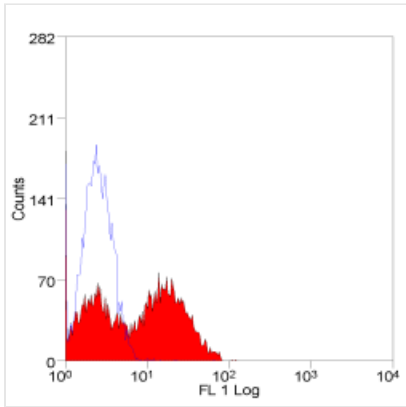
CATALOG #	HOST	APPLICATIONS
AAA49682	Mouse	Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Flow Cytometry, Functional Assay, Immunohistochemistry

PRODUCT SYNONYMS

BrdU; Monoclonal Antibody; MOUSE ANTI BrdU; anti-BrdU antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	Bu20a
Form/Format	Purified Purified IgG - Liquid Phosphate buffered saline
Concentration	IgG concentration 1.0mg/ml (varies by lot)
Applicable Applications for anti-BrdU antibody	ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry)
Carrier Free	Yes
Fusion Partners	Spleen cells from immunized Balb/c mice were fused cells of the NS1 myeloma cell line.
Immunogen	Bromodeoxyuridine conjugated to BSA
Perservative Stabilisers	0.09% Sodium Azide (NaN ₃) Preparation
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Target Species	Chemical
Preparation and Storage	This product is shipped at ambient tempeture. It is recommended to aliquout and store at -20°C on receipt. When thawed , aliquot the sample as needed. Keep aliquots at 2°C to 8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.



Application Data
Detection of BrdU incorporation into pulsed-labelled ACNC12 cells using Mouse anti-BrdU antibody (clone Bu20a)

ADDITIONAL INFORMATION

Related Product Information for anti-BrdU antibody	Mouse anti BrdU antibody, clone Bu20a recognizes the thymidine analogue bromodeoxyuridine (BrdU), which can be incorporated into DNA during S-phase of the cell cycle. The BU20a antibody is suitable for detecting incorporated BrdU in a wide variety of cell types and is suitable for use on tissue sections in double-labeling techniques. Specificity: BrdU; Mouse anti BrdU antibody, clone Bu20a recognizes bromodeoxyuridine (known as BrdU or BrdUrd). BrdU is a synthetic thymidine analog, which is incorporated to new DNA during replication instead of thymidine. BrdU can therefore be used to identify newly synthesized DNA. Mouse anti BrdU antibody, clone Bu20a, recognizes BrdU and other thymidine analogs; 5'-chloro-2'-deoxyuridine (CldU), 5'-iodo-2'-deoxyuridine (IdU) and 2'-deoxy-5-ethynyluridine (EdU), but only shows minimal reactivity with thymidine itself (Aten et al. 1992, Liboska et al. 2012, Magaud et al. 1989). Antibody detection of incorporated BrdU in cellular DNA is extensively referenced as an accurate method to monitor cell proliferation in vivo and in vitro. In cell proliferation assays BrdU staining is coupled with the use of a dye that binds total DNA such as propidium iodide (PI). BrdU can be administered diluted in the culture medium or, in vivo via intraperitoneal injection, subcutaneous osmotic pump implants (Tesfaiqi et al. 2004) or in drinking water (Moser et al. 2004). BrdU can be used as a thymidine analog in a wide range of organisms ranging from mammalian cells, through reptiles and amphibians to invertebrate species and plants. Mouse anti BrdU antibody, clone Bu20a, is suitable for detecting incorporated BrdU in a wide variety of cell types and is suitable for use on tissue sections in double-labeling techniques (Makarev and Gorivodsky 2014).
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/brdu-antibody-clone-bu20a-immunocytochemistry-immunofluorescence-immunohistochemistry-flow-cytometry-immunohistochemistry-elisa/49682>