

## Mouse BrdU Monoclonal Antibody | anti-BrdU antibody

BrdU (Bu20a) Antibody

| CATALOG # | HOST  | REACTIVITY        | APPLICATIONS                                                               |
|-----------|-------|-------------------|----------------------------------------------------------------------------|
| AAA311979 | Mouse | Bromodeoxyuridine | Flow Cytometry, Functional Assay, Immunohistochemistry, Immunofluorescence |

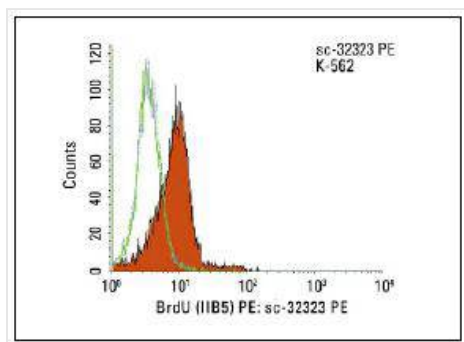
### PRODUCT SYNONYMS

BrdU; Monoclonal Antibody; BrdU (Bu20a) Antibody; Bromodeoxyuridine antibody; BUdr antibody; anti-BrdU antibody

### PRODUCT SPECIFICATIONS

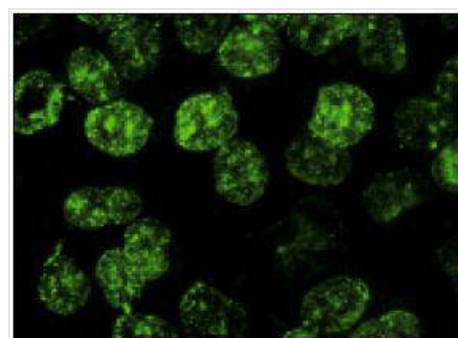
|                                                |                                                                                |
|------------------------------------------------|--------------------------------------------------------------------------------|
| Host                                           | Mouse                                                                          |
| Reactivity                                     | Bromodeoxyuridine                                                              |
| Clonality                                      | Monoclonal                                                                     |
| Clone Number                                   | 1G1                                                                            |
| Purity/Purification                            | ProA affinity purified                                                         |
| Form/Format                                    | 1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.         |
| Applicable Applications for anti-BrdU antibody | FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), IF (Immunofluorescence) |
| Immunogen                                      | Peptide                                                                        |
| Conjugation                                    | Unconjugated                                                                   |
| Preparation and Storage                        | Store at -20 degree C.                                                         |

### IMAGES



#### Application Data

Intracellular FCM analysis of fixed and permeabilized untreated (dotted blue histogram) and BrdU treated (solid orange histogram) K-562 cells. Green line histogram represents the isotype control, normal mouse IgG1.



#### IF (Immunofluorescence)

Immunofluorescence staining of methanol-fixed BrdU-labeled HeLa cells showing nuclear localization.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-BrdU antibody | The halogenated pyrimidine thymidine analog bromodeoxyuridine (BrdU) is incorporated into newly synthesized DNA strands of S-phase cells and is useful for estimating the fraction of cells in S-phase. Additionally, the analysis of the uptake of BrdU is a reliable method to quantitate the degree of DNA-synthesis. BrdU is also useful for studying sister chromatid exchange and to isolate nascent DNA. UV-induced excision-repair synthesis is one method for incorporating BrdU into cellular DNA. Anti-BrdU antibodies bind to the exposed BrdU in single-stranded DNA after a hydrochloric acid denaturation step or nuclease digestion. Protease antigen recovery is necessary for most tissues or cells fixed with crosslinking agents such as formalin but may decrease the specificity of BrdUrd immunodetection. The monoclonal antibody Bu20a against BrdU stains BrdU incorporated into the nuclei of a wide range of proliferating cell types including human tumors growing in nude mice and tonsil lymphoid. |
| Product Categories/Family for anti-BrdU antibody   | Total protein Ab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

**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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/brdu-antibody-clone-1g1-flow-cytometry-immunohistochemistry-immunofluorescence-elisa/311979>