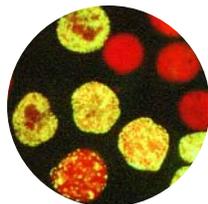


# Anti-BrdU (Bromodeoxyuridine)

## Fluorescein, Phoenix Red, Alexa Dye™, or Biotin Conjugated Monoclonal Antibody for the Detection of Cell Proliferation

### Product Information



Catalog Numbers: **ABFM-18:** (Fluorescein conjugated)  
**ABTC-20:** (Phoenix Red-Phycoerythrin replacement)  
**AX488:** (Alexa 488 from Invitrogen)  
**AX647:** (Alexa 647 from Invitrogen)  
**PRB1-U:** (Unconjugated)  
**PRBBIOA:** (Biotin conjugated)  
 Size: 60 Tests, Bulk quantities & pricing available

### Description

BrdU is an analog of thymidine (derivative of uridine) and can be incorporated specifically into DNA in place of thymidine. Cells can be pulse-labeled with BrdU, and those cells that are synthesizing DNA (in S-phase of the cell cycle) will incorporate BrdU into the DNA. Anti-BrdU can then be used to identify cells that undergo DNA synthesis during exposure to BrdU. The proportion of cells in S-phase of the cell cycle can be determined either by fluorescence microscopy or by flow cytometric analysis.

### Specificity

5-Bromo-deoxyuridine (BrdU) is a uridine derivative that can be incorporated into DNA in place of thymidine. Anti-BrdU identifies BrdU (but not thymidine) in single-stranded DNA, free BrdU, or BrdU coupled to a protein carrier. The antibody also reacts with iodouridine.

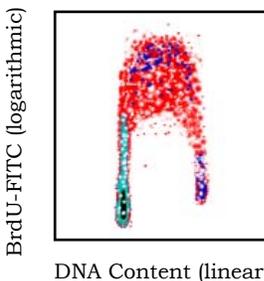
### Clone

Anti-BrdU, clone PRB-1, is derived from the hybridization of mouse myeloma cells with spleen cells from BALB/C mice immunized with iodouridine-conjugated ovalbumin.

### Ig Chain Composition

Anti-BrdU is composed of mouse IgG<sub>1</sub> heavy chains and kappa light chains.

### HL-60 Cells stained with ABFM-18



### Working Dilution

This vial contains enough antibody for 60 tests at a concentration of 1µg per reaction. The suggested dilution is 1:20.

#### Example:

For one assay mix 5 µl of anti-BrdU and 100 µl buffer. Use 100 µl of this dilution per assay.

### Handling and Storage

The vial should be stored at 2 to 8C. The conjugated antibody should not be frozen and should be protected from prolonged exposure to light.

### For Research Use Only. Not for Diagnostic or Therapeutic Use.

#### Warranty

This product is warranted only to conform to the quantity and contents stated on the label at the time of delivery to the customer. There are no warranties, express or implied, which extend beyond the description on the label of the product. Phoenix Flow's sole liability is limited to either replacement of the products or refund of the purchase price. Phoenix Flow is not liable for property damage, personal injury, or economic loss caused by the product. Alexa 488, & 647 are registered trademarks of Invitrogen

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