

## Mouse Anti BrdU Monoclonal Antibody, FITC

DMABT-50294MB Mouse(BrdU)

Lot. No. (See product label)

### PRODUCT INFORMATION

|                         |                                      |
|-------------------------|--------------------------------------|
| <b>Product Overview</b> | Mouse Anti BrdU,FITC                 |
| <b>Immunogen</b>        | Bromodeoxyuridine conjugated to BSA. |
| <b>Host</b>             | Mouse                                |
| <b>Isotype</b>          | IgG1                                 |
| <b>Species</b>          | Chemical                             |
| <b>Clone</b>            | Cv30b                                |
| <b>Conjugation</b>      | FITC                                 |
| <b>Applications</b>     | FCM,                                 |
| <b>Dilution</b>         | FCM: Neat - 1/10                     |

### PACKAGING

|                              |                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Format</b>                | Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid                                                                                                                                                                                                                                                                                       |
| <b>Protein Concentration</b> | IgG concentration 0.1mg/ml                                                                                                                                                                                                                                                                                                                                           |
| <b>Buffer</b>                | Phosphate buffered saline                                                                                                                                                                                                                                                                                                                                            |
| <b>Storage</b>               | Store at +4 °C or at -20 °C if preferred.Storage in frost-free freezers is not recommended.This product should be stored undiluted. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. |
| <b>Preservative</b>          | 0.09% Sodium Azide (NaN <sub>3</sub> )                                                                                                                                                                                                                                                                                                                               |
| <b>Shelf Life</b>            | 18 months from date of despatch.                                                                                                                                                                                                                                                                                                                                     |

### BACKGROUND

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| <b>Introduction</b> | The immunocytochemical detection of bromodeoxyuridine (BrdU) incorporated into DNA is a powerful tool to study the cytokinetics of normal and neoplastic cells. In vitro or in vivo labeling of tumor cells with the thymidine analogue BrdU and the subsequent detection of incorporated BrdU with specific anti -BrdU monoclonal antibodies is an accurate and comprehensive method to quantitate the degree of DNA-synthesis. BrdU is incorporated into the newly synthesized DNA of S-phase cells may provide an estimate for the fraction of cells in S-phase. Also dynamic proliferative information such as the S-phase transit rate and the potential doubling time can be obtained, by means of bivariate BrdU/DNA flow cytometric analysis. |
| <b>Keywords</b>     | Bromodeoxyuridine; BUdr; 5-BRDU; 5-BROMO DEOXYURIDINE; 5-BROMO-2'-DESOXYURIDINE; (+)-5-BROMO-2'-DEOXYURIDINE; 5-BROMO-2'-DEOXYURIDINE; 2'-DEOXY-5-BROMOURIDINE; 2'-DEOXY-5-BROMOURIDINE; BUdR; BROMO2'-DEOXYURIDINE,5-; BRUDR; BROXURIDINE; BR-DU; BRDU LABELING; REAGENT; BDU; CHEMPACIFIC 52436; 5-bdu; 5-bromodesoxyuridine; BrdU; 5-Bromo-1-(2-deoxy-β-D-ribofuranosyl)uraci; 1 5-Bromouracil deoxyriboside                                                                                                                                                                                                                                                                                                                                       |