

Rat Anti BrdU Monoclonal Antibody

DMABT-50292RB Rat(BrdU)

Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview	Rat Anti BrdU
Host	Rat
Isotype	IgG2a
Species	Chemical
Clone	CV2/86 (JDS2)
Conjugation	N/A
Applications	IHC, ELISA, FCM, IF, IP, WB
Dilution	FCM: 1/25 - 1/200; IHC: 1/25 - 1/200

PACKAGING

Format	Purified IgG - liquid
Protein Concentration	IgG concentration 1.0 mg/ml
Buffer	Phosphate buffered saline
Storage	Store at +4 °C or at -20 °C if preferred. This product should be stored undiluted. Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use.
Preservative	0.09% Sodium Azide (NaN ₃)
Shelf Life	18 months from date of despatch.

BACKGROUND

Introduction	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.
Keywords	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