# BrdU monoclonal antibody (2B1)

The thymidine analogue BrdU (5-Bromo-2-Deoxyuridine), a derivative of uridine, can substitute for thymidine during DNA synthesis. The detection of BrdU incorporation into DNA provides a common method to quantify newly synthesized DNA and identify cells in the S-phase of the cell cycle. The use of BrdU incorporation in proliferation assays facilitates the study of DNA repair, sister chromatid exchange, and the cytokinetics of normal and neoplastic cells.

**This antibody is covered by our Worry-Free Guarantee.**

**Citations:** 1 View Online »

## Ordering Information

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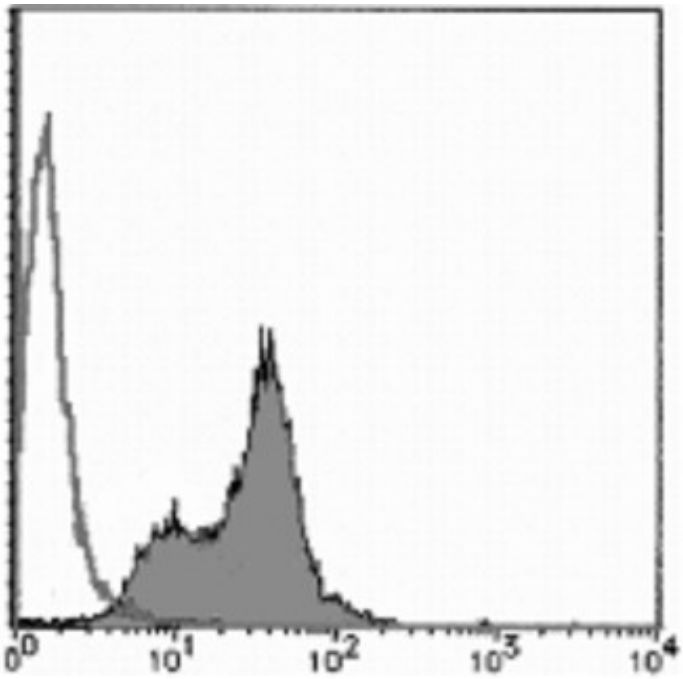
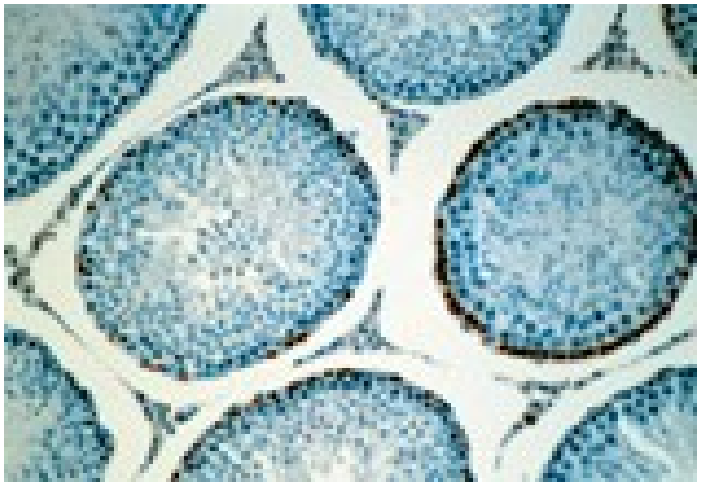
| | |
|---|---|
| **ADI-MSA-200-E** | 100µg |

## Manuals, SDS & CofA

View Online »




Flow cytometric analysis indicates the reaction of isotypic control (open histogram) and BrdU, mAb (2B1) (shaded histogram) to BrdU treated Raji cells.



Immunohistochemistry analysis of paraffin-embedded section of mouse testis stained with BrdU, mAb (2B1) to detect cells which have incorporated BrdU.

## Handling & Storage

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|---|---|
| **Long Term Storage** | -20°C |
| **Shipping** | Blue Ice |

## Regulatory Status RUO - Research Use Only

## Product Details

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|---|---|
| **Alternative Name** | 5-Bromodeoxyuridine |
| **Application** | Flow Cytometry, IHC |
| **Clone** | 2B1 |
| **Formulation** | Liquid. In PBS, pH 7.2, containing 50% glycerol. |
| **Host** | Mouse |
| **Immunogen** | Iododeoxyuridine-Ovalbumin. |
| **Isotype** | IgG1 |
| **Purity Detail** | Protein A affinity purified. |
| **Recommendation Dilutions/Conditions** | Flow Cytometry (10µg/ml)Immunohistochemistry (10µg/ml)Suggested dilutions/conditions may not be available for all applications.Optimal conditions must be determined individually for each application. |
| **Species Reactivity** | Species independent |
| **Worry-free Guarantee** | **This antibody is covered by our Worry-Free Guarantee .** |

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