

#### DESCRIPTION

<b>Specificity</b>	Detects Bromodeoxyuridine/BrdU.
<b>Source</b>	Monoclonal Mouse IgG <sub>2A</sub> Clone # BU-1
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	5-iodouridine (5-IO) coupled to ovalbumin
<b>Conjugate</b>	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
<b>Formulation</b>	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.  *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

#### APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
<b>Intracellular Staining by Flow Cytometry</b>	0.25-1 µg/10 <sup>6</sup> cells	Human peripheral blood mononuclear cells (PBMCs), treated overnight with 50 ng/mL PMA, 500 ng/mL Ionomycin, and 30 µg/mL BrdU, were then fixed with cold, 70% ethanol for 5 minutes, DNA was denatured with 1.5M HCl for 30 minutes, and then cells were permeabilized with Flow Cytometry Permeabilization/Wash Buffer I (Catalog # FC005)

#### PREPARATION AND STORAGE

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

#### BACKGROUND

Bromodeoxyuridine (BrdU) is a nucleoside analog that is incorporated into DNA in place of thymidine. The detection of newly synthesized DNA containing BrdU is a commonly used measure of cell proliferation and progression through S phase of the cell cycle.

#### PRODUCT SPECIFIC NOTICES

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