

## ARG54229 anti-5-bromodeoxyuridine / BrdU antibody [Bu20a] (PE)

Package: 50 tests

Store at: 4°C

### Summary

Product Description	PE-conjugated Mouse Monoclonal antibody [Bu20a] recognizes 5-bromodeoxyuridine / BrdU
Tested Reactivity	Other
Tested Application	FACS
Specificity	The clone Bu20a reacts specifically with BrdU incorporated into DNA during S-phase of a cell cycle. It is useful for detecting proliferating cells by flow cytometry or immunohistochemistry staining.
Host	Mouse
Clonality	Monoclonal
Clone	Bu20a
Isotype	IgG1
Target Name	5-bromodeoxyuridine / BrdU
Immunogen	Bromodeoxyuridine conjugated to BSA
Conjugation	PE

### Application Instructions

Application table	Application	Dilution
	FACS	10 µl / 10 <sup>6</sup> cells

**Application Note** \* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

### Properties

Form	Liquid
Purification Note	The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.
Buffer	PBS, 15 mM Sodium azide and 0.2% (w/v) high-grade protease free BSA
Preservative	15 mM Sodium azide
Stabilizer	0.2% (w/v) high-grade protease free BSA
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

## Background

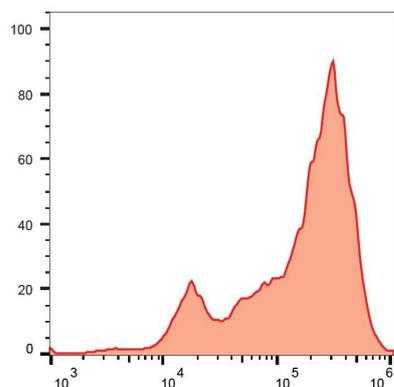
Bromodeoxyuridine (BrdU) is a thymidine analog which is selectively incorporated into the DNA of proliferating cells to provide a marker for the DNA being replicated. The number of proliferating cells can then be detected in cell lysates, tissue sections or suspensions using an antibody specific for the BrdU.

## Research Area

Cell Biology and Cellular Response antibody; Controls and Markers antibody; Gene Regulation antibody; Neuroscience antibody

## Images

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ARG54229 anti-5-bromodeoxyuridine / BrdU antibody [Bu20a] (PE)  
FACS image

Flow Cytometry: BrdU incorporated into the K562 cells. Cells were stained with ARG54229 anti-5-bromodeoxyuridine / BrdU antibody [Bu20a] (PE).