

BrdU Monoclonal Antibody (BU20A), PE, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Chemical
Published Species	Chemical
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	BU20A
Conjugate	PE
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin, 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_11149499

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.125 µg)/test	15 Publications

Product Specific Information

Description: This Bu20a monoclonal antibody reacts with 5-bromodeoxyuridine (BrdU). BrdU is a derivative of uridine that can be incorporated into DNA in place of thymidine during the S-phase of the cell cycle. Anti-BrdU can then be used to identify cells that have undergone DNA synthesis during BrdU treatment.

For staining for flow cytometric analysis, we recommend the use of the BrdU Staining Buffer Set (cat. 00-5525) and protocol.

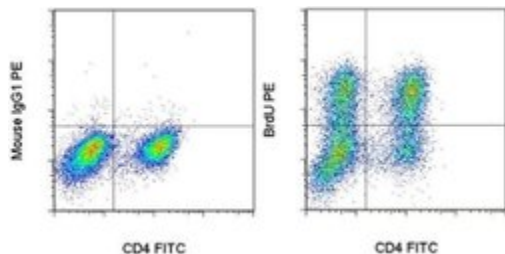
Applications Reported: This BU20A antibody has been reported for use in intracellular staining followed by flow cytometric analysis.

Applications Tested: This BU20A antibody has been pre-titrated and tested by intracellular staining and flow cytometric analysis of stimulated mouse splenocytes using the Foxp3/Transcription Staining Buffer Set (cat. 00-5523) or the BrdU Staining Buffer Set (cat. 00-5525) and protocol. This can be used at 5 µL (0.125 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells /test.

Excitation: 488-561 nm; **Emission:** 578 nm; **Laser:** Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For BrdU Monoclonal Antibody (BU20A), PE, eBioscience™



BrdU Antibody (12-5071-42) in Flow

Intracellular staining of 2-day Anti-Mouse CD3 and Anti-Mouse CD28 Functional Grade Purified (Product # 16-0031-82 and Product # 16-0281-82)-stimulated C57Bl/6 splenocytes using the Foxp3/Transcription Staining Buffer Set (Product # 00-5523-00) with Anti-Mouse CD4 FITC (Product # 11-0042-82) and Mouse IgG1 K Isotype Control PE (Product # 12-4714-81) (left) or Anti-BrdU PE (right). Cells in the lymphocyte gate were used for analysis.

[View more figures on thermofisher.com](#)

15 References

Flow Cytometry (15)

International journal of molecular sciences

BCOR Internal Tandem Duplication Expression in Neural Stem Cells Promotes Growth, Invasion, and Expression of PRC2 Targets.

"12-5071 was used in Flow cytometry/Cell sorting to introduce either wildtype BCOR or BCOR-ITD into human and murine neural stem cells and analyzed them with quantitative RT-PCR and RNA-sequencing, as well as growth, clonogenicity, and invasion assays."

Authors: Nakata S, Yuan M, Rubens JA, Kahlert UD, Maciaczyk J, Raabe EH, Eberhart CG

Species

Chemical

Dilution

Not Cited

Year

2021

Cell research

Myofiber necroptosis promotes muscle stem cell proliferation via releasing Tenascin-C during regeneration.

"Published figure using BrdU monoclonal antibody (Product # 12-5071-42) in Flow Cytometry"

Authors: Zhou S, Zhang W, Cai G, Ding Y, Wei C, Li S, Yang Y, Qin J, Liu D, Zhang H, Shao X, Wang J, Wang H, Yang W, Wang H, Chen S, Hu P, Sun L

Species

Chemical

Dilution

Not Cited

Year

2020

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More applications with references on thermofisher.com

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