SONY

Product Data Sheet

PE/Cyanine7 anti-BrdU

Catalog # / Size: 2420590 / 100 tests
2420585 / 25 tests

Clone: 3D4

Isotype: Mouse IgG1, κ

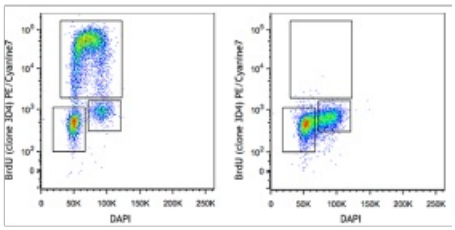
Immunogen: Iodouridine-conjugated ovalbumin

Preparation: The antibody was purified by affinity chromatography and conjugated with PE/Cyanine7 under optimal conditions.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA).

Workshop Number: HCDM listed

Concentration: Lot-specific

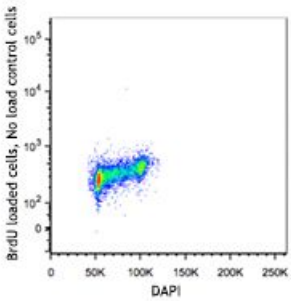


Ramos cell line was pulsed with BrdU for 1 hour (left panel) or without (right panel) and then stained with anti-BrdU (3D4) PE/Cyanine7 according to BioLegend BrdU staining procedure. Cells were subsequently stained with 1 µg of DAPI for DNA analysis.

Applications:

Applications: Intracellular Staining for Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by intracellular immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 µl per million cells in 100 µl staining volume or 5 µl per 100 µl of whole blood.



Application Notes: Additional reported applications (for the relevant formats) include: immunohistochemistry and fluorescence microscopy.

Application References:

1. Dolbeare F, *et al.* 1983. *Proc. Natl. Acad. Sci. USA* 80:5573.
2. Hirota K, *et al.* 2007. *J. Exp. Med.* 204:41.
3. Godebu E, *et al.* 2008. *J. Immunol.* 181:1798.
4. Waskow C, *et al.* 2008. *Nat. Immunol.* 9:676.

Description: BrdU is a uridine derivative and a structural analog of thymidine, which can be incorporated into DNA during the S-phase of a cell cycle as a substitute for thymidine. Cells can be pulse-labeled with BrdU and analyzed with antibodies against BrdU to determine the proportion of cells in the S-phase of the cell cycle during a given interval.

For research use only. Not for diagnostic use. Not for resale. Sony Biotechnology Inc. will not be held responsible for patent infringement or other violations that may occur with the use of our products.

Sony Biotechnology Inc. 1730 North First Street, San Jose, CA 95112 www.sonybiotechnology.com

Antigen References:

1. Barker JM, *et al.* 2013. *PLoS One* 8:e63692.
2. Duque A and Rakic P. 2011. *J. Neurosci.* 31:15205.
3. Robbins S, *et al.* 2011. *J. Vis. Exp.* 55:2855.
4. Broekhuizen CA, *et al.* 2010. *Infect Immun.* 78:954.
5. van der Wath RC, *et al.* 2009. *PLoS One* 4:e6972.
6. Dolbeare F, *et al.* 1985. *Cytometry* 6:521.
7. Gratzner HG. 1982. *Science* 218:474.

For research use only. Not for diagnostic use. Not for resale. Sony Biotechnology Inc. will not be held responsible for patent infringement or other violations that may occur with the use of our products.