

BrdU IHC Kit

BrdU Immunohistochemistry Kit

CATALOG #
AAA77708

PRODUCT SYNONYMS

BrdU; BrdU Immunohistochemistry Kit; BrdU ihc kit

PRODUCT SPECIFICATIONS

Note	The BrdU Cell Immunohistochemistry Kit contains all ingredients (antibodies, buffers and detection reagents) needed for the immunohistochemical detection and quantification of the proliferative activity of cells and tissues. The kit contains 5 control slides with BrdU prelabeled MCF-7 cells (one of which is prestained) as well as an instruction manual describing the relevant protocols for BrdU immunostaining.
Preparation and Storage	Upon receipt, store entire kit at -20oC. Once the kit is thawed, you may keep it at 4 degree C for 5 days. For long-term storage, it is recommended you aliquot and freeze the components at -20 degree C, particularly the Streptavidin-HRP Conjugate, the Prediluted Biotinylated Sheep anti-BrdU Detector Antibody and the 4x Trypsin Concentrate.

ADDITIONAL INFORMATION

Related Product Information for BrdU ihc kit	Background: A non-isotopic immunohistochemical staining procedure for the localization and quantification of DNA synthesis and cell proliferation. Evaluation of cell cycle progression is essential for investigations in many scientific fields. Measurement of [3H] thymidine incorporation as cells enter S phase has long been the traditional method for the detection of cell proliferation. Subsequent quantification of [3H] thymidine is performed by scintillation counting or autoradiography. This technology is slow, labor intensive and has several limitations including the handling and disposal of radioisotopes and the necessity of expensive equipment. A well-established alternative to [3H] thymidine uptake has been demonstrated by numerous investigators. In these methods bromodeoxyuridine (BrdU), a thymidine analog, is incorporated into newly synthesized DNA strands of actively proliferating cells. Following partial denaturation of double stranded DNA, BrdU is detected immunochemically allowing the assessment of the population of cells which are actively synthesizing DNA. BrdU Immunohistochemistry Kit involves incorporation of BrdU into proliferating cells, in vivo or in vitro, and visual staining (dark brown nuclei) of these cells which is achieved using a Prediluted Biotinylated Sheep anti-BrdU Detector Antibody followed by Streptavidin-HRP Conjugate and DAB (diaminobenzidine) substrate. Intended Uses: The BrdU Immunohistochemistry Kit is a histochemical staining kit for the detection and localization of bromodeoxyuridine incorporated into newly synthesized DNA of actively proliferating cells.
Product Categories/Family for BrdU ihc kit	Cell Cycle; Cell proliferation

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/ihc-kits/brdu/77708>