



PRODUCT DATA SHEET

Product: Anti-BrdU/I, clone IU-4

Cat. No.: MC-327 (1 mL)

Specificity:

The antibody recognizes both bromodeoxyuridine (BrdU) and iododeoxyuridine (IdU) incorporated into DNA, nucleotides and nucleosides. IU-4 is recommended where the DNA is lightly substituted and optimum antibody affinity is critical. IU-4 is only available unconjugated and must be used with a secondary antibody for detection.

Species Reactivity:

Human. Others not tested.

Ig Isotype:

Mouse IgG₁/κ

Format:

1 mL antibody solution with 0.1% sodium azide.

Storage:

Short term: 4°C. For long term, -20°C or below. Aliquot to avoid freeze/thaw cycles.

Applications and Suggested Dilutions:

- Immunohistochemistry: Detection of proliferating cells.

Note: Before this antibody can stain cells, BrdU or IdU should be incorporated in the DNA of the cells. Incorporation can be obtained by *in vivo* injection of the compounds in experimental animals, but also during short (at least 1 hr.) incubation *in vitro* in an appropriate tissue culture medium.

1 µg is the maximum amount of reagent required for 1 x 10⁶ cells. Lesser amounts of the antibody may be sufficient.

- Flow cytometry: Detection of proliferating cells.

The optimal dilution for a specific application should be determined by the researcher.

Limitations:

For *in vitro* research use only. Not for use in diagnostics or in humans.

Warranty:

No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.