

## Anti-Bromodeoxyuridine [IIB5] Standard Size Ab03329-10.0

**Isotype and Format:** Human IgG1, Kappa

**Clone Number:** IIB5

**Alternative Name(s) of Target:** BrdU

**UniProt Accession Number of Target Protein:**

**Published Application(s):** ICC, FC, IHC

**Published Species Reactivity:** Species independent

**Immunogen:** The original antibody was generated by immunizing a BALB/c mouse intraperitoneally with BrdU conjugated to Bovine Serum albumin.

**Specificity:** The original antibody reacts with bromodeoxyuridine (BrdU) also when incorporated into nuclear DNA. Further, the antibody is known to cross-react with Iododeoxyuridine (IdU).

**Application Notes:** The binding characteristics of the antibody was determined in a radioimmunoassay using 3H-BrdUrd as a ligand, and the affinity constant was found to be  $3.1 \times 10^7$  L/mol (Schutte et al., 1987; PMID: 3113895). This antibody was used for immunohistochemistry for the detection of bromodeoxyuridine (van Engeland et al., 1997; PMID: 9299167).

**Antibody First Published in:** Schutte et al. An improved method for the immunocytochemical detection of bromodeoxyuridine labeled nuclei using flow cytometry Cytometry. 1987 Jul;8(4):372-6. doi: 10.1002/cyto.990080405. [PMID:3113895](#)

**Note on publication:** The original paper describes the generation and characterization of the antibody.

### Product Form

**Size:** 100 µg Purified antibody.

**Purification:** Protein A affinity purified

**Supplied In:** PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

**Concentration:** 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.