



Mab to Bromodeoxyuridine (BrdU)

Clone	IIB5
Category	Mouse monoclonal
Form/Purification	Ascites
Ig Class	IgG1
Immunogen	BrdU conjugated to BSA
Description/Specificity	<p>IIB51 reacts with BrdU in denatured (single-stranded) DNA). The antibody is crossreactive with iododeoxyuridine. It can be used for:</p> <ol style="list-style-type: none">1. Radioimmunochemical detection of circulating levels of BrdU2. Detection of S-phase cells in tissue sections by immunoperoxidase or immunofluorescence method3. Detection of S-phase cells in cell suspension4. Determination of the percentage of proliferating cells by flow cytometry5. Quantitative determination of the number of various phases of the cell cycle by dual parameter flow-cytometrical analysis
Application	Flow cytometry Immunohistochemistry <i>In situ</i> -hybridization Frozen and paraffin sections Proteolytic treatment with pepsin (see protocol)
Reaction with Species	All species
Working Dilution	1:10 for immunohistochemistry
Incubation Time	1 h at room temperature for immunohistochemistry
Storage	At 2-8°C (undiluted) or in aliquots at -20°C
Volume	1 ml

Reference

Schutte B et al. Effect of Tissue Fixation on Anti-Bromodeoxyuridine Immunohistochemistry. The Journal of Immunohistochemistry and Cytochemistry, Vol 35, 11:1343-1345 (1987)

Schutte B et al. Studies with Anti-Bromodeoxyuridine Antibodies: II. Simultaneous Immunocytochemical Detection of Antigen Expression and DNA Synthesis by in Vivo Labeling of Mouse Intestinal Mucosa. The Journal of Histochemistry and Cytochemistry, Vol 35, 3:371-374 (1987)

Schutte B et al: Studies with Anti-Bromodeoxyuridine Antibodies: I An improved method for the immunocytochemical detection of BrdU labeled nuclei using flow cytometry. Cytometry 8:372-376 (1987)

Cat. No.: **11200**