


Bromodeoxyuridine (BrdU) (Proliferation Marker); Clone BU20a (Concentrate)


Availability/Contents:

<u>Item #</u>	<u>Volume</u>
RA0375-C.5	0.5 ml

Description:


Species:	Mouse
Immunogen:	Bromodeoxyuridine (BrdU) conjugated to KLH
Clone:	BU20a
Isotype:	IgG1
Entrez Gene ID:	Not Applicable
Hu Chromosome Loc.:	Not Applicable
Synonyms:	Bromodeoxyuridine, BUdr
Mol. Weight of Antigen:	Depends on the target
Format:	200µg/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide.
Specificity:	This antibody reacts with Bromodeoxyuridine (BrdU) in single stranded DNA (produced by partial denaturation of double stranded DNA), BrdU coupled to a protein carrier, as well as free BrdU.
Background:	BrdU is a thymidine analog, incorporated into cell nuclei during DNA synthesis prior to mitosis. An antibody to BrdU is helpful in detecting S-phase cells, providing useful information on the aggressiveness of tumors.
Species Reactivity:	All species
Positive Control:	Cells grown in presence of BrdU or tissues from experimental animals injected with BrdU
Cellular Localization:	Nuclear
Titer/ Working Dilution:	Immunohistochemistry (Frozen and Formalin-fixed): 0.5-1 µg/ml Flow Cytometry: 0.5-1 µg/million cells Immunofluorescence: 0.5-1 µg/ml
Microbiological State:	This product is not sterile.

Storage: 2° C  8° C

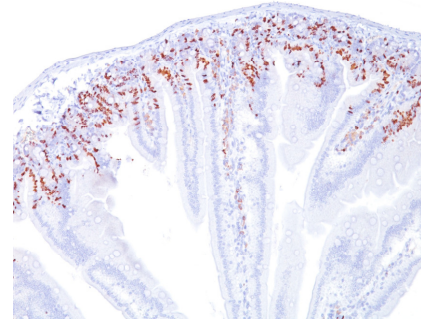


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CE

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Molsnstraat 15
2513 BH Hague, The Netherlands

Uses/Limitations: Not to be taken internally.
 For Research Use Only.
 This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy.
 Do not use if reagent becomes cloudy.
 Do not use past expiration date.
 Non-Sterile.



Ordering Information and Current Pricing at www.scytek.com

Formalin-fixed, paraffin-embedded mouse intestine tissue (10X) stained with BrdU; Clone BU20a.

Procedure:

1. **Tissue Section Pretreatment (Required):** Staining of formalin fixed, paraffin embedded tissue sections is significantly enhanced by incubating sections in 4N HCl for 30 minutes at room temperature followed by digestion with Trypsin (Two Component Solution) (ScyTek catalog# TSS).
2. **Primary Antibody Incubation Time:** We suggest an incubation period of 30 minutes at room temperature. However, depending upon the fixation conditions and the staining system employed, optimal incubation should be determined by the user.
3. **Visualization:** For maximum staining intensity we recommend the “UltraTek HRP Anti-Polyvalent Lab Pack” (ScyTek catalog# UHP125, see IFU for instructions) combined with the “DAB Chromogen/Substrate Bulk Pack (High Contrast)” (ScyTek catalog# ACV500, see IFU for instructions).

Precautions: Contains Sodium Azide as a preservative (0.09% w/v).
 Do not pipette by mouth.
 Avoid contact of reagents and specimens with skin and mucous membranes.
 Avoid microbial contamination of reagents or increased nonspecific staining may occur.
 This product contains no hazardous material at a reportable concentration according to U.S. 29 CFR 1910.1200, OSHA Hazardous Communication Standard and EC Directive 91/155/EC.


References:


1. Welberg JW et. al. Journal of Clinical Pathology, 1990, 43(6):453-6.
2. Williams LS et. al. Cytometry, 1990, 11(4):490-7.

Warranty:

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Storage: 2° C  8° C

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