


# Bromodeoxyuridine (BrdU) (Proliferation Marker); Clone BRD494 (Concentrate)

<b>Availability/Contents:</b>	<u>Item #</u>	<u>Volume</u>
	RA0374-C.5	0.5 ml
<b>Description:</b>		
Species:	Mouse	
Immunogen:	Bromodeoxyuridine (BrdU) conjugated to KLH	
Clone:	BRD494	
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.	

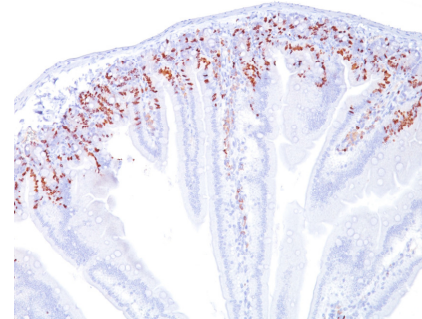
Storage: 2° C  8° C



ScyTek Laboratories, Inc.  
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**CE**  
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**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](http://www.scytek.com)**

Formalin-fixed, paraffin-embedded mouse intestine tissue (10X) stained with BrdU; Clone BRD494.

**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:**

No products or “Instructions For Use (IFU)” are to be construed as a recommendation for use in violation of any patents. We make no representations, warranties or assurances as to the accuracy or completeness of information provided on our IFU or website. Our warranty is limited to the actual price paid for the product. ScyTek Laboratories, Inc. is not liable for any property damage, personal injury, time or effort or economic loss caused by our products. Immunohistochemistry is a complex technique involving both histological and immunological detection methods. Tissue processing and handling prior to immunostaining can cause inconsistent results. Variations in fixation and embedding or the inherent nature of the tissue specimen may cause variations in results. Endogenous peroxidase activity or pseudoperoxidase activity in erythrocytes and endogenous biotin may cause non-specific staining depending on detection system used.

Storage: 2° C  8° C

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