

# Product Datasheet

## Bromodeoxyuridine/BrdU Antibody (BRD494) NBP2-32920-0.1mg

Unit Size: 0.1 mg

Store at 4C.

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**NBP2-32920-0.1mg**

Bromodeoxyuridine/BrdU Antibody (BRD494)

**Product Information**

<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	0.2 mg/ml
<b>Storage</b>	Store at 4C.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	BRD494
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	10 mM PBS with 0.05% BSA

**Product Description**

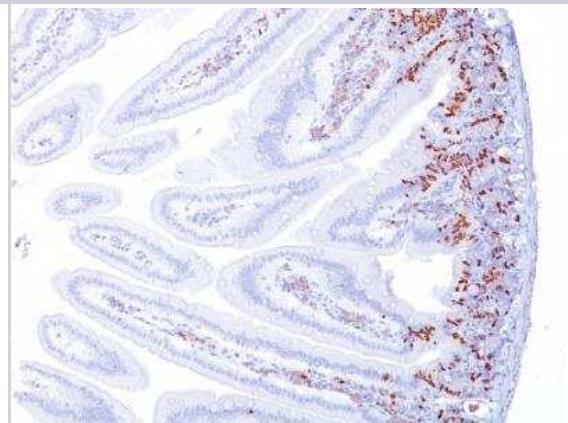
<b>Description</b>	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-34566)  Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80 C.
<b>Host</b>	Mouse
<b>Species</b>	Non-species specific
<b>Marker</b>	Proliferation Marker
<b>Specificity/Sensitivity</b>	It 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. BrdU is a thymidine analog, incorporated into cell nuclei during DNA synthesis prior to mitosis. Antibody to BrdU is helpful in detecting S-phase cells, providing useful information on the aggressiveness of tumors.
<b>Immunogen</b>	Bromodeoxyuridine/BrdU conjugated to KLH

**Product Application Details**

<b>Applications</b>	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Flow Cytometry 0.5-1 ug/million cells, Immunohistochemistry 0.5-1 ug/ml, Immunocytochemistry/ Immunofluorescence 0.5-1 ug/ml, Immunohistochemistry-Paraffin 0.5-1.0ug/ml
<b>Application Notes</b>	Immunohistology (Formalin-fixed): 0.5-1ug/ml for 30 minutes at RT. For staining of formalin-fixed tissues, incubate sections in 4N HCl for 30 minutes at RT followed by digestion with trypsin at 1mg/ml PBS, 10 min at 37C. Optimal dilution for a specific application should be determined.

## Images

Immunohistochemistry-Paraffin: Bromodeoxyuridine/BrdU Antibody (BRD494) [NBP2-32920] - Formalin-fixed, paraffin-embedded Mouse Small Intestine stained with BrdU Monoclonal Antibody (BRD494).



## Publications

Nino DF, Sodhi CP, Egan CE et al. Retinoic Acid Improves Incidence and Severity of Necrotizing Enterocolitis by Lymphocyte Balance Restitution and Repopulation of LGR5+ Intestinal Stem Cells. *Shock* 2017-01-01 [PMID: 27488085] (IF/IHC, Mouse)

Egan CE, Sodhi CP, Good M et al. Toll-like receptor 4-mediated lymphocyte influx induces neonatal necrotizing enterocolitis. *J. Clin. Invest.* 2015-12-21 [PMID: 26690704] (IHC-P)



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## Products Related to NBP2-32920-0.1mg

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP3-07125	Bromodeoxyuridine/BrdU MCF-7 Cell Line Slides (Adult Adenocarcinoma)- Paraffin

## Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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