

# Product Datasheet

## **Bromodeoxyuridine/BrdU Antibody (SPM537) - Azide and BSA Free NBP2-34784-0.1mg**

Unit Size: 0.1 mg

Store at -20 to -80C. Avoid freeze-thaw cycles.

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**NBP2-34784-0.1mg**

Bromodeoxyuridine/BrdU Antibody (SPM537) - Azide and BSA Free

| Product Information |                                                 |
|---------------------|-------------------------------------------------|
| Unit Size           | 0.1 mg                                          |
| Concentration       | 1.0 mg/ml                                       |
| Storage             | Store at -20 to -80C. Avoid freeze-thaw cycles. |
| Clonality           | Monoclonal                                      |
| Clone               | SPM537                                          |
| Preservative        | No Preservative                                 |
| Isotype             | IgG1 Kappa                                      |
| Purity              | Protein A or G purified                         |
| Buffer              | 10 mM PBS                                       |

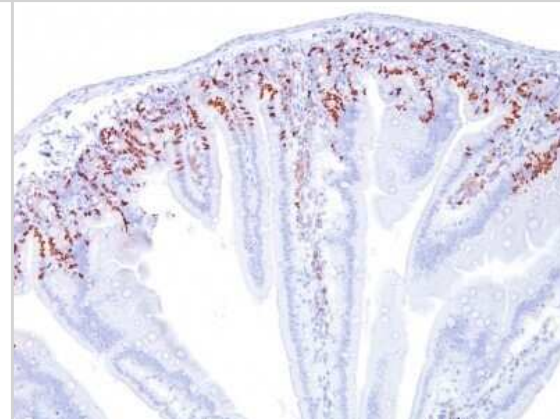
| Product Description     |                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description             | 1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-32921).<br><br>Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.                                                                                                                             |
| Host                    | Mouse                                                                                                                                                                                                                                                                                                                                                                                                     |
| Species                 | Non-species specific                                                                                                                                                                                                                                                                                                                                                                                      |
| Marker                  | Proliferation Marker                                                                                                                                                                                                                                                                                                                                                                                      |
| Specificity/Sensitivity | 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. |
| Immunogen               | Bromodeoxyuridine/BrdU conjugated to KLH                                                                                                                                                                                                                                                                                                                                                                  |

| Product Application Details |                                                                                                                                                                                                                                                                                                   |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Applications                | Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready                                                                                                                                                                         |
| Recommended Dilutions       | Flow Cytometry 0.5-1ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 0.5-1ug/ml, Immunohistochemistry-Paraffin 0.5-1ug/ml, Immunohistochemistry-Paraffin 0.5-1ug/ml, CyTOF-ready                                                                                   |
| Application Notes           | Immunohistochemistry (Formalin-fixed): 1-2ug/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 (SPM537) - Azide and BSA Free [NBP2-34784] - Formalin-fixed, paraffin-embedded Mouse Small Intestine stained with Bromodeoxyuridine/BrdU Antibody (SPM537).



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**Products Related to NBP2-34784-0.1mg**

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|                  |                                                                                |
|------------------|--------------------------------------------------------------------------------|
| HAF007           | Goat anti-Mouse IgG Secondary Antibody [HRP]                                   |
| NB720-B          | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]                        |
| NBP1-43319-0.5mg | Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)                                  |
| NBP3-07125       | Bromodeoxyuridine/BrdU MCF-7 Cell Line Slides (Adult Adenocarcinoma)- Paraffin |

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**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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