

Product datasheet

anti-Bromodeoxyuridine (BrdU) mouse monoclonal, ascites

Short overview

Cat. No.	11200
Quantity	1 ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1
Clone	IIB5
Immunogen	BrdU conjugated to BSA
Formulation	Contains 0.09% sodium azide
Note	Centrifuge prior to opening
Conjugate	Unconjugated
Purification	Ascites
Storage	Short term at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles
Intended use	Research use only
Application	IHC
Reactivity	All species

Applications

Immunohistochemistry (IHC) - frozen	1:10 (proteolytic treatment with pepsin)
Immunohistochemistry (IHC) - paraffin	1:10 (proteolytic treatment with pepsin)

Background

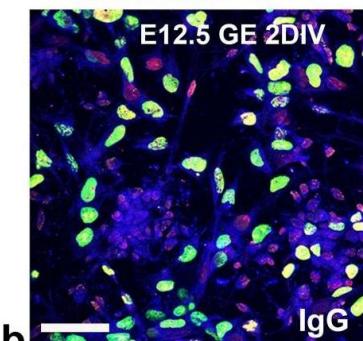
IIB5 reacts with BrdU in denatured (single-stranded DNA). The antibody is crossreactive with iododeoxyuridine. It can be used for: 1. Radioimmunochemical detection of circulating levels of BrdU 2. Detection of S-phase cells in tissue sections by immunoperoxidase or immunofluorescence method 3. Detection of S-phase cells in cell suspension 4. Determination of the percentage of proliferating cells by flow cytometry 5. Quantitative determination of the number of various phases of the cell cycle by dual parameter flow-cytometrical analysis

Product images



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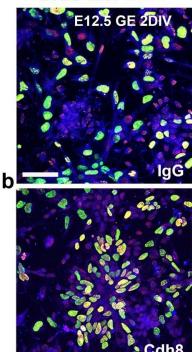
a **BrdU Ki67 DAPI**



[Memi, F., Killen, A. C., et al. Cadherin 8 regulates proliferation of cortical interneuron progenitors. Brain Struct Funct. 2019-01-01.](#)

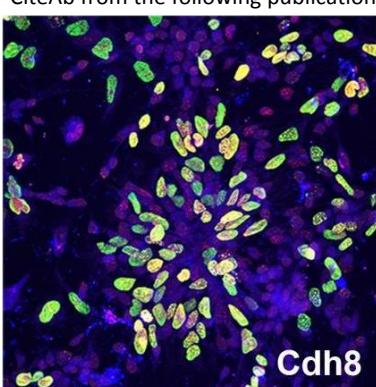
Species/Reactant: Mus musculus (House mouse) Applications: Immunohistochemistry-immunofluorescence Image collected and cropped by CiteAb from the following publication, provided under a CC-BY licence.

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References

Publication	Species	Application
Memi, F. et al. Cadherin 8 regulates proliferation of cortical interneuron progenitors. Brain.Struct.Funct. 224, 277-292 (2019)	BrdU	IHC (frozen)
Killen, A. et al. Protective role of Cadherin 13 in interneuron development. Brain.Struct.Funct. 222, 3567-3585 (2017).	BrdU	IHC (frozen)
Spacek, T. et al. Nkx6.1 decline accompanies mitochondrial DNA reduction but subtle nucleoid size decrease in pancreatic islet ?-cells of diabetic Goto Kakizaki rats. Sci.Rep. 7, 15674 (2017).	BrdU	ICC
Schutte, B., Reynders, M. M., Bosman, F. T. & Blijham, G. H. Effect of tissue fixation on anti-bromodeoxyuridine immunohistochemistry. J. Histochem. Cytochem. 35, 1343-5 (1987).	BrdU	IHC (paraffin)
Schutte, B., Reynders, M. M., Bosman, F. T. & Blijham, G. H. Studies with anti-bromodeoxyuridine antibodies: II. Simultaneous immunocytochemical detection of antigen expression and DNA synthesis by in vivo labeling of mouse intestinal mucosa. J. Histoche	BrdU	IHC (paraffin)