

Product datasheet

anti-Bromodeoxyuridine mouse monoclonal, Bu5.1, lyophilized, purified

Short overview

Cat. No.	61015
Quantity	100 µg
Concentration	100 µg/ml after reconstitution with 1 ml dist. water

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG2a
Clone	Bu5.1
Immunogen	Bromodeoxyuridine
Formulation	Lyophilized; reconstitute in 1 ml dist. water (final solution contains 0.09% sodium azide, 0.5% BSA in PBS buffer, pH 7.4)
Conjugate	Unconjugated
Purification	Affinity chromatography
Storage before reconstitution	2-8°C until indicated expiry date
Storage after reconstitution	Up to 3 months at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles
Intended use	Research use only
Application	ICC/IF, IHC
Reactivity	Tissue and cell culture after incorporation of BrdU

Applications

Immunocytochemistry (ICC)	1:10
Immunohistochemistry (IHC) - frozen	1:10 (proteolytic treatment recommended)
Immunohistochemistry (IHC) - paraffin	1:10 (proteolytic treatment and/or microwave treatment recommended)

Background

The antibody is specific for bromodesoxyuridine and does not cross-react with thymidine. It is a valuable tool for detection of S-phase (DNA-synthesizing cells) in cell ad tissue culture. 3H-thymi-dine labelling techniques can be avoided.

Product images



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References

Publication	Species	Application
Stockdale, W. et al. Heart Regeneration in the Mexican Cavefish. Cell.Rep. 25, 1997-2007.e7 (2018).	BrdU	IHC-IF (paraffin)
Jirikowski, G. F., Ramalho-Ortigao, J. F., Kesse, K. W. & Bloom, F. E. In situ hybridization of semithin Epon sections with BrdU labelled oligonucleotide probes. Histochemistry 94, 187-190 (1990).	BrdU	IHC