

# BrdU Monoclonal Antibody (MoBU-1)

Product Details	
Size	350 µL
Species Reactivity	Chemical
Published Species	Chemical, Human, Mouse, Chicken
Host/Isotype	Mouse / IgG
Class	Monoclonal
Type	Antibody
Clone	MoBU-1
Conjugate	Unconjugated
Immunogen	BrdU
Form	Liquid
Concentration	0.1 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	5mM sodium azide
Storage conditions	4° C
RRID	AB_2536432

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	Assay-dependent	28 Publications
Immunohistochemistry (Paraffin) (IHC (P))	-	1 Publication
Immunohistochemistry (Frozen) (IHC (F))	-	5 Publications
Immunohistochemistry - Free Floating (IHC (Free))	-	1 Publication
Immunocytochemistry (ICC/IF)	1:100-1:500	12 Publications
Flow Cytometry (Flow)	-	9 Publications
Functional Assay (FN)	-	1 Publication
Miscellaneous PubMed (Misc)	-	3 Publications

## Product Specific Information

The MoBU-1 clone has a high specificity for BrdU, in addition to no cross-reactivity with EdU. This clone can also readily detect bromouridine (BrU) incorporated into RNA or BrdUTP incorporated into DNA strand breaks via the TUNEL assay. Samples labeled with the Alexa Fluor™ conjugates of MoBU-1 can be directly imaged by fluorescence microscopy or high-content imaging. The unconjugated form and the biotin conjugate of this clone require a secondary antibody or a streptavidin conjugate for detection, respectively. The MoBU-1 clone is also available for flow cytometry applications.

Immunohistochemistry (28)

<p>Proceedings of the National Academy of Sciences of the United States of America</p> <p><b>K<sub>v</sub>1.1 preserves the neural stem cell pool and facilitates neuron maturation during adult hippocampal neurogenesis.</b></p> <p>"B35128 was used in Immunohistochemistry-immunofluorescence to support a critical role for this voltage-gated ion channel in adult neurogenesis."</p> <p>Authors: Lin King YH,Chen C,Lin King JV,Simms J,Glasscock E,Yang SB,Jan YN,Jan LY</p>	<p>Year 2022</p> <p>Species Chemical</p> <p>Dilution 1:500</p>
<p>Proceedings of the National Academy of Sciences of the United States of America</p> <p><b>Double peroxidase and histone acetyltransferase AgTip60 maintain innate immune memory in primed mosquitoes.</b></p> <p>"B35128 was used in Immunohistochemistry to show that Evokin is present in hemocytes and fat-body cells, and messenger RNA (mRNA) expression increases significantly after immune priming."</p> <p>Authors: Gomes FM,Tyner MDW,Barletta ABF,Saha B,Yenkoidiok-Douti L,Canepa GE,Molina-Cruz A,Barillas-Mury C</p>	<p>Year 2021</p> <p>Species Mouse</p> <p>Dilution 1:100</p>

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Immunohistochemistry (Paraffin) (1)

<p>Journal of tissue engineering and regenerative medicine</p> <p><b>Bone marrow stromal cells enhance the osteogenic properties of hydroxyapatite scaffolds by modulating the foreign body reaction.</b></p> <p>"B35128 was used in immunohistochemistry - paraffin section to study the osteogenic properties of bone marrow stromal cell-loaded biomimetic constructs and assess the cellular components elicited"</p> <p>Authors: Tour G,Wendel M,Tcacencu I</p>	<p>Year 2014</p> <p>Species Chemical</p> <p>Dilution 1:200</p>
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Immunohistochemistry (Frozen) (5)

<p>Cell</p> <p><b>Genetic and Mechanical Regulation of Intestinal Smooth Muscle Development.</b></p> <p>"B35128 was used in Immunohistochemistry (Frozen) to link morphogen-based patterning to mechanically controlled smooth muscle cell alignment and provide a mechanistic context for potentially understanding smooth muscle organization in a wide variety of tubular organs."</p> <p>Authors: Huycke TR,Miller BM,Gill HK,Nerurkar NL,Sprinzak D,Mahadevan L,Tabin CJ</p>	<p>Year 2019</p> <p>Species Chicken</p> <p>Dilution 1:100</p>
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- IHC (Free) (1)
- ICC/IF (12)
- Flow (9)
- FN (1)
- Misc (3)

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