



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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### Purified Monoclonal Antibody to 5-bromodeoxyuridine (BrdU)

**CLX104AP**

**Lot:**

Clone: MoBu-1

Isotype: Mouse IgG1

Specificity: The antibody MoBu-1 reacts specifically with BrdU incorporated into DNA during S-phase of a cell cycle. The antibody MoBu-1 is also useful for detecting proliferating cells by flow cytometry or immunofluorescence staining. It reacts also specifically with 5-bromouridine (BrU).

Immunogen: 5-bromodeoxyuridine conjugated with hemocyanine.

Applications: Immunohistochemistry (paraffin sections)  
*Application note:* excellent  
Flow Cytometry  
*Recommended dilution:* 1-2 µg/ml  
Immunocytochemistry

Recommended Dilution: 2 µg/ml

Purity: > 95% (by SDS-PAGE)

Concentration: 1mg/ml

Storage Buffer: Phosphate buffered saline (PBS) with 15mM sodium azide, approximately pH 7.4

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**Storage/Stability:** Store at 2-8°C. Do not use after expiration date stamped on vial label. For long-term storage aliquot and store at -20°C. Avoid freeze/thaw cycles.

**Background:** Bromodexyuridine (BrdU) is a thymidine analog which is selectively incorporated into the DNA of proliferating cells to provide a marker for the DNA being replicated. The number of proliferating cells can then be detected in cell lysates, tissue sections or suspensions using an antibody specific for the BrdU.

**References:**

- \*Ashby J, Tinwell H, Soames A, Foster J: Induction of hyperplasia and increased DNA content in the uterus of immature rats exposed to coumestrol. *Environ Health Perspect.* 1999 Oct;107(10):819-22.
- \*Soames AR, Lavender D, Foster JR, Williams SM, Wheeldon EB: Image analysis of bromodeoxyuridine (BrdU) staining for measurement of S-phase in rat and mouse liver. *J Histochem Cytochem.* 1994 Jul;42(7):939-44.
- \*Buckiova D, Kubinova L, Soukup A, Jelinek R, Brown NA: Hyperthermia in the chick embryo: HSP and possible mechanisms of developmental defects. *Int J Dev Biol.* 1998 Jul;42(5):737-40.
- \*Stanek D, Kiss T, Raska I: Pre-ribosomal RNA is processed in permeabilised cells at the site of transcription. *Eur J Cell Biol.* 2000 Mar;79(3):202-7.

Laboratory Reagent For Research Use Only

RH 12/13/11

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