

## Datasheet

### 5-bromodeoxyuridine (BrdU) monoclonal antibody, clone MoBu-1

**Catalog Number:** MAB3635

**Regulation Status:** For research use only (RUO)

**Product Description:** Mouse monoclonal antibody raised against 5-bromodeoxyuridine (BrdU).

**Clone Name:** MoBu-1

**Immunogen:** 5-bromodeoxyuridine (BrdU) conjugated with Hemocyanin.

**Host:** Mouse

**Applications:** Flow Cyt, ICC, IHC-P  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

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

**Form:** Liquid

**Concentration:** 1 mg/mL

**Isotype:** IgG1

**Recommend Usage:** Immunocytochemistry (2 ug/mL)  
The optimal working dilution should be determined by the end user.

**Storage Buffer:** In PBS, pH 7.4 (15 mM sodium azide)

**Storage Instruction:** Store at 4°C. Do not freeze.

#### References:

1. Pre-ribosomal RNA is processed in permeabilised cells at the site of transcription. Stanek D, Kiss T, Raska I. Eur J Cell Biol. 2000 Mar;79(3):202-7.
2. Induction of hyperplasia and increased DNA content

in the uterus of immature rats exposed to coumestrol. Ashby J, Tinwell H, Soames A, Foster J. Environ Health Perspect. 1999 Oct;107(10):819-22.

3. Hyperthermia in the chick embryo: HSP and possible mechanisms of developmental defects. Buckiova D, Kubinova L, Soukup A, Jelinek R, Brown NA. Int J Dev Biol. 1998 Jul;42(5):737-40.