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Product datasheet for SM3005P

Bromodeoxyuridine / BrDU Mouse Monoclonal Antibody [Clone ID: MoBu-1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	MoBu-1
Applications:	FC, IF, IHC
Recommended Dilution:	**Flow Cytometry:** 1-2 µg/ml. **Immunocytochemistry:** 2 µg/ml. **Immunohistochemistry on Frozen and Paraffin Sections.**
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	5-bromodeoxyuridine conjugated with hemocyanine
Specificity:	The antibody 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).
Formulation:	PBS, pH 7.4, with 15 mM Sodium Azide as preservative State: Purified State: Liquid purified Ig fraction (> 95% pure by PAGE)
Concentration:	lot specific
Purification:	Protein A Affinity Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
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.

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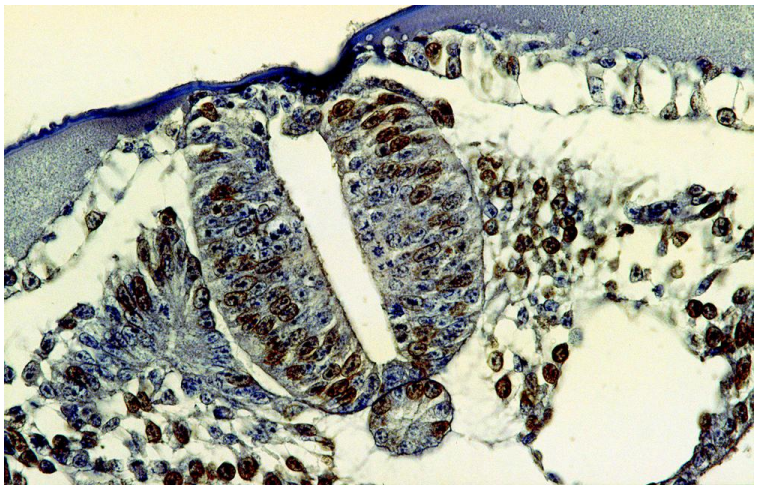
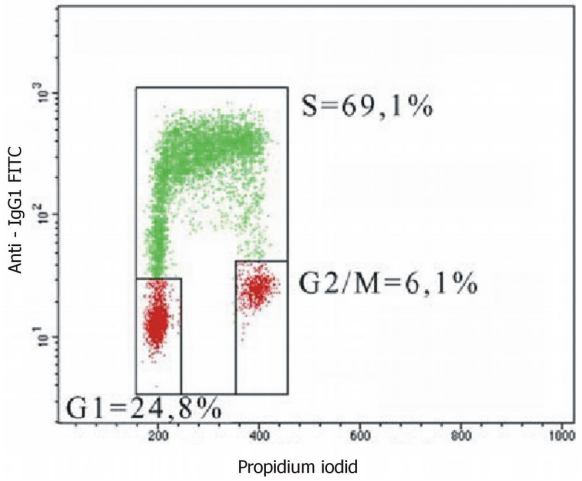
Product images:



Immunohistochemistry staining of bromodeoxyuridine-labeled cells (chick embryo; paraffin-embedded sections) with anti-5-bromodeoxyuridine (MoBu-1).



Flow cytometry analysis of 5-bromodeoxyuridin (BrdU) incorporation in CEM human acute lymphoblastic leukemia cell line using purified anti-5-bromodeoxyuridin (MoBu-1) (detection by Goat anti-mouse IgG1 FITC). The individual cell cycle phases (S-, G1-, G2/M-phase) are indicated in the figure.