

Product datasheet for **SM3005F**

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

Product data:

Product Type:	Primary Antibodies
Clone Name:	MoBu-1
Applications:	FC, IHC
Recommended Dilution:	Immunohistochemistry. Flow Cytometry (Use at 1-5 µg/10e6 cells). This antibody is also useful for detecting proliferating cells by Flow Cytometry or Immunofluorescence staining. The FITC conjugate is particularly useful in these applications as a secondary antibody and not necessary for visualization. Also, a specific anti-FITC antibody conjugate can be used for signal amplification if desired.
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Bromodeoxyuridine conjugated to <i>Helix Pomatia</i> Haemocyanin used to immunize BALB/c mice.
Specificity:	Reacts with cells containing incorporated BrdU, showing a clear, nucleus confined, speckled pattern.
Formulation:	PBS containing 0.08% Sodium Azide as a preservative. Label: FITC State: Liquid purified IgG fraction.
Concentration:	lot specific
Conjugation:	FITC
Storage:	Store the antibody (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.



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Background:

Bromodeoxyuridine (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. Previous methods of detecting DNA included the use of [3H]-thymidine which would be incorporated into the DNA and could then the DNA could be quantified by autoradiography or scintillation counting. These methods are more difficult and require more cleanup due to the radioactive material. An immunohistochemical assay provides a much simpler and cleaner method for detecting DNA in cells.