



American MasterTech

scientific laboratory supplies

POST OFFICE BOX 2539 LODI, CALIFORNIA 95241 TELEPHONE: 1 (800) 860 4073 FACSIMILE: 1 (209) 368 4136

## Monoclonal Antibody to Bromodeoxyuridine (BRDU)

### *Technical Data Sheet*

#### Reagent Category

Monoclonal primary antibody to  
BRDU protein

#### Antibody Formats Supplied

0.2 ml of anti BRDU, Concentrate

PRODUCT# IMI11952E (Concentrate)

---

**SOURCE:** Mouse

**IMMUNOGLOBULIN ISOTYPE:** IgG1

**CLONE:** 85-2C8

#### **REACTIVITY**

This BRDU antibody reacts with cells that have incorporated BRDU into their DNA during the S-phase of cell cycle. The immunocytochemical staining of BRDU allows for a quick estimate of cell proliferation. This antibody is suitable for use on routinely fixed paraffin embedded and frozen sections. This BRDU antibody is compatible with formalin fixative as well as most commonly used histological fixatives (see special usage guidance of this data sheet).

**POSITIVE CONTROL TISSUE:** BRDU labeled cells

#### **Antibody FORMAT, DILUTIONS and INCUBATIONS**

Affinity purified monoclonal anti BRDU antibody is provided in phosphate buffered saline pH 7.2 containing bovine serum albumin (BSA) and 0.05% sodium azide.

**0.2 ml of concentrate; for 10-minute incubation, dilute 1:50; for 30-minute incubation dilute 1:100**, for longer incubation time the working titer should be determined by the end user.

**The above dilutions and incubation times were derived by the use of Innovex STAT-Q detection systems. For less sensitive detection systems these dilution factors may vary and they should be determined by the end user for specific detection system employed.**

#### **SPECIAL USAGE GUIDANCE**

No pre-treatment is necessary, however, the use of Innovex-Enhancing Wash buffers (Item#: IMI00396E for Immuno-Peroxidase staining and Item#: IMI00596E for Immuno-Alkaline-phosphatase) in place of PBS or Tris buffer for the rinsing steps in between the incubation steps is highly recommended.

The use of Innovex- Enhancing Wash Buffers greatly enhances staining signals for antigenically weak tissues or for overfixed tissues. **Its use further eliminates the need for enzyme Pre-digestion, heat application (retrieval procedure), long incubation of primaries and repetitive procedures.**

**CONTINUED OVER**



# American MasterTech

scientific laboratory supplies

POST OFFICE BOX 2539 LODI, CALIFORNIA 95241 TELEPHONE: 1 (800) 860 4073 FACSIMILE: 1 (209) 368 4136

## **APPLICATIONS**

This antibody is intended for use in immunolocalization of BRDU labeled cells by a variety of immunoassays such as Immunochemistry, fluorescent labeling, ELISA, Immunoblotting and dot blotting. In immunochemistry, this antibody can be used in staining routinely fixed paraffin embedded or frozen histological sections of human or animal tissues for the purpose of qualitative or quantitative localization of BRDU labeled cells. This antibody can also be used for quantitative flow cytometric assays in the indirect method.

## **SPECIES REACTIVITY**

This antibody is reactive with any species BRDU labeled cells.

## **STORAGE CONDITIONS**

Store in refrigerator at 2-8°C through expiration date noted on the vial.

## **IMPORTANT NOTE:**

**The interpretation of test results is the sole responsibility of the end user.**

***FOR IN VITRO RESEARCH USE ONLY***