

• Mouse Anti-BrdU(A7) Monoclonal Antibody

Primary Antibodies

Background:

Bromodeoxyuridine (BrdU) is a thymidine analog and is specifically incorporated into DNA during DNA synthesis. Anti-bromodeoxyuridine monoclonal antibody is used to identify cells that have incorporated BrdU. This immunological detection scheme has several advantages over the use of radioactive thymidine incorporation for identifying cells under-going replication. Labeling and detection can be performed the same day instead of waiting several days, as required for autoradiography of tritium-labeled cells, and the necessity of using multiple specimens for obtaining the optimal exposure time is eliminated. In addition, anti-bromodeoxyuridine staining with flow cytometric analysis allows multiple parameters to be evaluated simultaneously. Anti-bromodeoxyuridine monoclonal antibody has been used for identifying proliferating cells in blood (Campana et al., 1988), tissues (Schutte et al., 1987; Hayashi, et al., 1988), tumors (Hoshino et al., 1986; Morstyn et al., 1983), as well as for determining plasma cell labeling indices (Greipp et al., 1985).

Source/Purification:

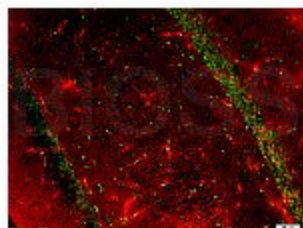
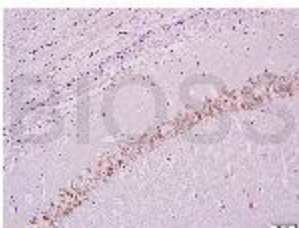
bromodeoxyuridine conjugated to KLH. Was purified by Protein A and peptide affinity chromatography.

Storage: Prepared as lyophilized powder or liquid and shipped on ice. Store at -20°C for one year.

Reconstitution:

If the antibody is in liquid form, no reconstitution needed.

Reconstitution is only required for the lyophilized antibody. Please refer to the reconstitution instruction card in the package.



Size: 100ul or 100ug lyophilized

Concentration: 1ug/uL

Host: Mouse

Reactivities: BrdU

Application:

- ELISA(1:500-1000)
- IP(1:20-100)
- IHC-P(1:100-500)
- IHC-F(1:100-500)
- IF(1:100-500)
- Not yet tested in other applications.
Optimal working dilutions must be determined by the end user.

Antibody Type: Monoclonal

Isotype: IgG

Molecular Weight: 0.3071kDa

Preservatives:

10ug/uL BSA and 0.1% NaN₃.

For research use only. CAUTION: Not for human or animal therapeutic or diagnostic use.