

Anti-BrdU



TECHNICAL SPECIFICATIONS

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Mouse Anti-BrdU (Bromodeoxyuridine) Monoclonal Antibody Product #: MSA-200

Immunogen

Iododeoxyuridine-Ovalbumin.

Specificity

This antibody reacts with iododeoxyuridine, iodouridine and bromouridine, but does not react with thymidine.

Species Reactivity

Bromodeoxyuridine in nuclei

Applications

Certified*

Cited

| <u>Applications</u> | <u>Certified*</u> | <u>Cited</u> |
|----------------------|-------------------|--------------|
| Immunohistochemistry | 10 µg/mL | |
| Immunocytochemistry | Yes | |
| FACS | Yes | |

*These working dilutions are provided as suggestions only. Further dilutions may be possible. Each user should determine the optimal conditions for their own particular experiment.

Application Notes

For use in immunohistochemistry, this antibody can be used for detection of the cells which have incorporated bromodeoxyuridine with indirect immunofluorescence or immunoenzymetric techniques.

Scientific Background

Thymidine analogue 5-bromo-2-deoxyuridine (BrdU) is incorporated into cellular DNA and used for proliferation assays.

References

- Gonchoroff, N.J., Greipp, P.R., Kyle, R.A., and Katzmann, J.A. (1985) *Cytometry* 6: 506-512.
- Gonchoroff, N.J., Katzmann, J.A., Currie, R.M., Evans, E.L., Houck, D.W., Kline, B.C., Greipp, P.R., and Loken, M.R. (1986) *J. Immunol. Meth.* 93: 97-101.
- Gratzner, H.G., and Leif, R.C. (1981) *Cytometry* 1: 385-393.

Rev: 03/8/07

CERTIFICATE OF ANALYSIS

Anti-BrdU

Product #: MSA-200

Size: 100 µg

Lot #: 02210726

Format: Mouse immunoglobulin lyophilized in phosphate buffered saline (PBS), pH 7.4 with 10 mg/ml sucrose and 1.0 mg/ml sodium azide. This antibody was purified by ammonium sulfate precipitation, and Protein A affinity Chromatography. For a stock solution of 1.0 mg/ml reconstitute with 100µL of sterile distilled water.

Host: Mouse
Clone#: 2B1

Antibody Type: Monoclonal
Isotype: IgG₁

STORAGE & SHIPPING: Store lyophilized product at or below -20°C. Rehydrated product may be stored for 2-4 weeks at 4°C. For optimal storage, aliquot to smaller portions and store at -20°C to -70°C. Avoid repeated freeze/thaw cycles. For maximum product recovery, after thawing, centrifuge the product vial before removing cap. Shipped at room temperature.



FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES: This product is not to be used for diagnostic nor therapeutic purposes. By accepting this product, the user confirms that it will be used for research purposes only. Stressgen warrants that its products conform to the information published by Stressgen. Purchaser must determine the suitability of the product for their particular use. Please refer to the MSDS for product safety information.

MATERIAL SAFETY DATA SHEET

Section 1 - Product Identification and Use

Product Name: Mouse Anti-BrdU Monoclonal Antibody **Product#** MSA-200

This product is sold only for research use by qualified laboratory personnel, and is not to be used as a drug, medical device, food additive, cosmetic, nor household chemical. It is not to be used in diagnostic, therapeutic, consumer, agricultural, nor pesticidal applications.

Manufacturer's Name: Assay Designs
Street Address: 5777 Hines Drive
City, Prov. Postal Code: Ann Arbor, MI 48108 USA
Fax: (734) 668-2793
EMERGENCY PHONE: (734) 668-6113

Section 2 - Hazardous Ingredients

NOT AVAILABLE. We are not aware of any hazards associated with this product or its ingredients, but the chemical, physical, and toxicological properties of this product have not been investigated thoroughly. Observe normal laboratory precautions.

Section 3 - Physical Data

This product consists of mouse immunoglobulin in PBS shipped lyophilized as a dry powder. The physical properties of this product have not been investigated thoroughly.

Section 4 - Fire and Explosion Hazard

NOT APPLICABLE

Section 5 - Reactivity Data

NOT APPLICABLE

Section 6 - Toxicological Properties

May be harmful by inhalation, ingestion, or skin absorption. The toxicological properties of this product have not been investigated thoroughly. Exercise due caution.

Section 7 - Preventative Measures

Wear chemical safety goggles and compatible chemical-resistant gloves. Avoid inhalation, contact with eyes, skin or clothing.

*****MULTIPLE COMPONENT SPILL OR LEAK PROCEDURES*****

- Wear protective equipment.
- Absorb on sand or vermiculite and place in closed containers for disposal.
- Dispose or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state and local environmental regulations.

Section 8 - First Aid Measures

- If swallowed, wash out mouth with water, provided person is conscious. Call a physician.
- In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. If a rash or other irritation develops, call a physician.
- If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.
- In case of eye contact, flush with copious amounts of water for at least 15 minutes while separating the eyelids with fingers. Call a physician.

Section 9 - Preparation

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| Prepared by: Assay Designs | Phone#: (734) 668-6113 Toll Free in North America (800) 833-8651 | Created: 02/22/00 | Modified: 03/8/07 |
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The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Stressgen shall not be held liable for any damage resulting from handling or from contact with the above product. See the Technical Specification, Packing Slip, Invoice, and Product Catalogue for additional terms and conditions of sale.