

Anti-alpha Tubulin Alexa Fluor® 488

Catalog Number: 53-4502

Also known as: alpha-Tubulin, a-Tubulin

RUO: For Research Use Only. Not for use in diagnostic procedures.

Product Information

Contents: Anti-alpha Tubulin Alexa Fluor® 488



Catalog Number: 53-4502

Clone: DM1A

Concentration: 0.5 mg/mL

Host/Isotype: Mouse IgG1, kappa



Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

Temperature Limitation: Store at 2-8°C. Do not freeze. Light sensitive material.



Batch Code: Refer to vial



Use By: Refer to vial



Caution, contains Azide

Description

The monoclonal antibody DM1a recognizes the 50kDa cytoskeletal protein α tubulin in a variety of species (human, mouse, rat, monkey, dog, pig, bovine, goat, hamster, guinea pig, kangaroo, amphibians, sea urchin, yeast and tobacco plants). Tubulin, the major component of microtubules, is a dimeric protein consisting of an alpha and beta subunit. Tubulin is a GTP-binding protein that can be modified by phosphorylation and acetylation resulting in assembly (polymerization) or disassembly (depolymerization). The dynamic nature of microtubules is most evident in the mitotic apparatus. The DM1a antibody recognizes the C-terminal end of the α tubulin isoform (amino acids 426-430).

Applications Reported

This DM1A antibody has been reported for use in immunohistochemical and immunocytochemical staining.

Applications Tested

This DM1A antibody has been tested by immunocytochemistry of adherent cells. This can be used at less than or equal to 5ug/ml. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

Breitling F, Little M. Carboxy-terminal regions on the surface of tubulin and microtubules. Epitope locations of YOL1/34, DM1A and DM1B. J Mol Biol. 1986 May 20;189(2):367-70. (DM1a, PubMed)

Related Products

53-4714 Mouse IgG1 K Isotype Control Alexa Fluor® 488 (P3.6.2.8.1)

Legal

Alexa Fluor® and Pacific Blue® are registered trademarks of and licensed under patents assigned to Molecular Probes, Inc. for research use only. This product is subject to an agreement between Molecular Probes, Inc. and eBioscience, and the manufacture, use, sale or import of this product may be subject to one or more U.S. patents, pending applications and corresponding foreign equivalents, owned by Molecular Probes, Inc. (a wholly owned subsidiary of Invitrogen Corp). The purchase of this product conveys to the buyer the non-transferable right to use the purchased amount of the product for life science research or as an ASR. The buyer cannot use this product for manufacturing or for any other screening (specifically including use in combination with microarrays or High Content Screening) or testing purpose, other than as an ASR. For information on purchasing a license to this product for purposes other than life science research or use as an ASR, contact Molecular Probes, Inc.

Not for further distribution without written consent.

Copyright © 2000-2012 eBioscience, Inc.

Tel: 888.999.1371 or 858.642.2058 • Fax: 858.642.2046 • www.ebioscience.com •
info@ebioscience.com