



Product datasheet

Alexa Fluor® 647 Anti-gamma Tubulin antibody [TU-30] - C-terminal ab191114

[5 References](#) [2 Images](#)

Overview

| | |
|----------------------------|---|
| Product name | Alexa Fluor® 647 Anti-gamma Tubulin antibody [TU-30] - C-terminal |
| Description | Alexa Fluor® 647 Mouse monoclonal [TU-30] to gamma Tubulin - C-terminal |
| Host species | Mouse |
| Conjugation | Alexa Fluor® 647. Ex: 652nm, Em: 668nm |
| Specificity | Immunogen has 94% identity with TUBG2 (Uniprot: Q9NRH3). |
| Tested applications | Suitable for: Flow Cyt (Intra), ICC/IF |
| Species reactivity | Reacts with: Mouse, Human |
| Immunogen | Synthetic peptide corresponding to Human gamma Tubulin aa 400 to the C-terminus (C terminal) conjugated to keyhole limpet haemocyanin. Database link: P23258  Run BLAST with  Run BLAST with |
| Positive control | Flow Cyt (Intra): HeLa cells. |
| General notes | Also reacts with Protozoa. <p>Alexa Fluor® is a registered trademark of Molecular Probes, Inc, a Thermo Fisher Scientific Company. The Alexa Fluor® dye included in this product is provided under an intellectual property license from Life Technologies Corporation. As this product contains the Alexa Fluor® dye, the purchase of this product conveys to the buyer the non-transferable right to use the purchased product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). As this product contains the Alexa Fluor® dye the sale of this product is expressly conditioned on the buyer not using the product or its components, or any materials made using the product or its components, in any activity to generate revenue, which may include, but is not limited to use of the product or its components: (i) in manufacturing; (ii) to provide a service, information, or data in return for payment (iii) for therapeutic, diagnostic or prophylactic purposes; or (iv) for resale, regardless of whether they are sold for use in research. For information on purchasing a license to this product for purposes other than research, contact Life Technologies Corporation, 5781 Van Allen Way, Carlsbad, CA 92008 USA or outlicensing@thermofisher.com.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> |

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

| | |
|-----------------------------|--|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Store at +4°C. Store In the Dark. |
| Storage buffer | pH: 7.40 Preservative: 0.0975% Sodium azide Constituent: 99% PBS |
| Purity | Size exclusion |
| Clonality | Monoclonal |
| Clone number | TU-30 |
| Isotype | IgG1 |

Applications

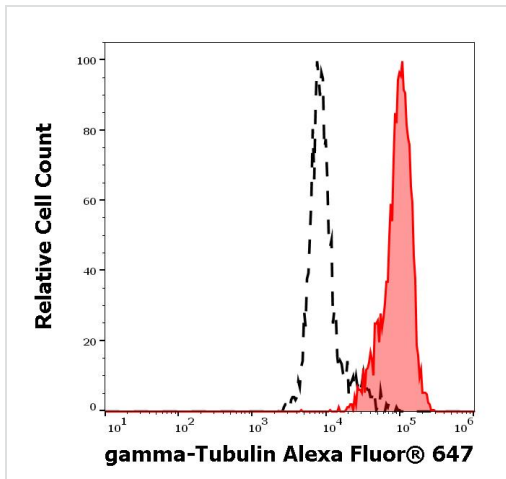
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab191114 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|------------------|-----------|---|
| Flow Cyt (Intra) | | Use a concentration of 1 - 5 µg/ml. Intracellular staining. |
| ICC/IF | | Use at an assay dependent concentration. |

Target

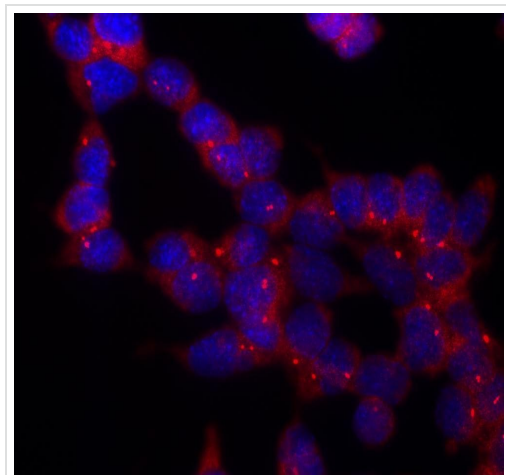
| | |
|---|--|
| Function | Tubulin is the major constituent of microtubules. Gamma tubulin is found at microtubule organizing centers (MTOC) such as the spindle poles or the centrosome. Pericentriolar matrix component that regulates alpha/beta tubulin minus-end nucleation, centrosome duplication and spindle formation. |
| Sequence similarities | Belongs to the tubulin family. |
| Post-translational modifications | Phosphorylation at Ser-131 by BRSK1 regulates centrosome duplication, possibly by mediating relocation of gamma-tubulin and its associated proteins from the cytoplasm to the centrosome. |
| Cellular localization | Cytoplasm > cytoskeleton > centrosome. |

Images



Intracellular flow cytometric analysis of HeLa cells labeling gamma Tubulin with ab191114 used at 5µg/ml (red-filled) compared with a mouse IgG1 isotype control (MOPC-21) Alexa Fluor® 647 antibody ([ab239459](#)) at 5µg/ml (black-dashed).

Flow Cytometry (Intracellular) - Alexa Fluor® 647
Anti-gamma Tubulin antibody [TU-30] - C-terminal
(ab191114)



Immunocytochemistry/ Immunofluorescence analysis of P19X1 mouse embryonic carcinoma cell line labeling gamma Tubulin with ab191114 at 1 µg/mL.

Nuclei were stained with DAPI (blue).

Immunocytochemistry/ Immunofluorescence - Alexa Fluor® 647 Anti-gamma Tubulin antibody [TU-30] - C-terminal (ab191114)

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