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Functional beta-Tubulin Antibody, mAb (recombinant)

Catalog # ADP0044

Specification

Functional beta-Tubulin Antibody, mAb (recombinant) - Product Information

Application	**ICC**
Reactivity	**Human, Mouse, Rat, Monkey, Pig, Drosophila**
Host	**Purified From HEK 293 Cell culture Supernatant.**
Clonality	**Monoclonal**
Isotype	**Human IgG2λ**
Gene Source	**human**
Application Note	**,E,ICC(1:100),WB(1:1000)**
Description	**anti-β-Tubulin, monoclonal antibody (recombinant) (S11B) is composed of human variable regions (VH and VL) (λ-chain) of immunoglobulin fused to the human IgG2 Fc domain.**

Functional beta-Tubulin Antibody, mAb (recombinant) - Additional Information

Other Names
Tubulin β Chain, Tubulin β-5 chain

Target/Specificity
Recognizes human, mouse, rat, pig, drosophila and monkey β-tubulin.

Format
Liquid. In PBS containing 10% glycerol and 0.02% sodium azide.

Reconstitution & Storage
Stable for at least 1 month after receipt when stored at +4°C. Stable for at least 1 year after receipt when stored at -20°C.

Precautions
Functional beta-Tubulin Antibody, mAb (recombinant) is for research use only and not for use in diagnostic or therapeutic procedures.

Functional beta-Tubulin Antibody, mAb (recombinant) - Protein Information

Functional beta-Tubulin Antibody, mAb (recombinant) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot

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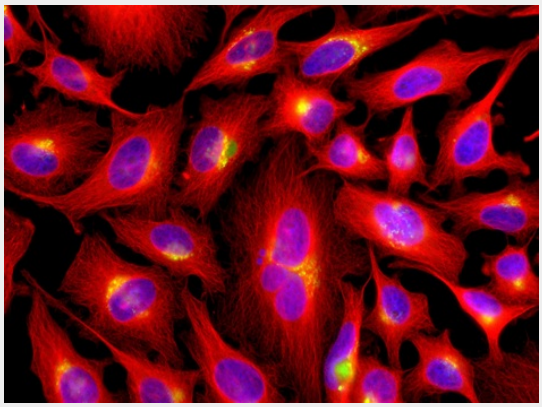
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Functional beta-Tubulin Antibody, mAb (recombinant) - Images



Human β-Tubulin is detected by immunocytochemistry using anti-β-Tubulin, mAb (rec.) (S11B). Method: HeLa cells are grown in standard culture conditions, fixed with methanol, and incubated with anti-beta-Tubulin, mAb (rec.)(S11B)(1mg /ml in PBS-BSA). After incubation for 30 min at RT and several washes in PBS, cells are treated with a goat anti-human (Cy3) antibody for 30 min at RT, washed and mounted in Moewiol. Nuclei are stained with DAPI.
Picture courtesy of Dr. Moutel, Dr. Franck Perez lab, Curie Institute, Paris.

Functional beta-Tubulin Antibody, mAb (recombinant) - Background

anti-β-Tubulin, monoclonal antibody (recombinant)(S11B) is an antibody developed by antibody phage display technology using a human naive antibody gene library. These libraries consist of scFv (single chain fragment variable) composed of VH (variable domain of the human immunoglobulin heavy chain) and VL (variable domain of the human immunoglobulin light chain) connected by a polypeptide linker. The antibody fragments are displayed on the surface of filamentous bacteriophage (M13). This scFv was selected by affinity selection on antigen in a process termed panning. Multiple rounds of panning are performed to enrich for antigen-specific scFv-phage. Monoclonal antibodies are subsequently identified by screening after each round of selection. The selected monoclonal scFv is cloned into an appropriate vector containing a Fc portion of interest and then produced in mammalian cells to generate an IgG like scFv-Fc fusion protein.