**Anti-β-Tubulin Mouse Monoclonal Antibody**

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**Technical literature is available at:** [**www.mesgenbio.com**](http://www.mesgenbio.com)**. E-mail MesGen Technical Services if you have questions on use of this system: tech@mesgenbio.com**

**Catalog Number :** MAN1003 **Lot Number :** Refer to vial **Packaging Size :** 100μL□1000μL□

**Background**

This antibody detects a single clean band at 55kD representing beta-Tubulin. This band is significantly reduced by using peptide blocking. The cytoskeleton consists of three types of cytosolic fibers: microtubules, microfilaments (actin filaments), and intermediate filaments. Globular tubulin subunits comprise the microtubule building block, with α/β-tubulin heterodimers forming the tubulin subunit common to all eukaryotic cells. γ-tubulin is required to nucleate polymerization of tubulin subunits to form microtubule polymers. Many cell movements are mediated by microtubule action, including the beating of cilia and flagella, cytoplasmic transport of membrane vesicles, chromosome alignment during meiosis/mitosis, and nerve-cell axon migration. These movements result from competitive microtubule polymerization and depolymerization or through the actions of microtubule motor proteins.

**Overview**

**Description :** Mouse monoclonal antibody to β-Tubulin [6C4]  **Reactivity :** Mouse, Rat, Human

**Tested applications :** WB(1:1000-1:10000), IHC (1:50-1:200), IF (1:50-1:200) **Formulation :** Liquid, 100 μg at 1mg/ml

**Properties**

**Immunogen :** Recombinant full length protein, corresponding to amino acids 1-452 of Human Tubulin

**Clonality :** 6C4 **Isotype :** Mouse IgG1

**Application notes**

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***Fig.*** *Western blot analysis of 40ug of cell lysates at:1:3000 dilution using beta Tubulin antibody. Predicted band size: 55KDa, Observed band size: 55KDa*

**Storage instruction**

Store at +4°C short term (1-2 weeks).

Aliquot and store at -20°C or -80°C

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