

A Reliable Research Partner in Life Science and Medicine

## Elab Fluor® 647-conjugated beta Tubulin Monoclonal Antibody

catalog number: AN00293M

Note: Centrifuge before opening to ensure complete recovery of vial contents.

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Reactivity Human

Immunogen Recombinant human TUBB protein by E. Coli

 Host
 Mouse

 Isotype
 IgG

 Clone
 2E8-2

**Purification** Protein A/G Purification

Buffer PBS with 0.05% Proclin300, 1% protective protein and 50% glycerol, pH7.4

Applications Recommended Dilution

FCM 0.2 μg per 10<sup>6</sup> cells in a 100 μL suspension

## **Data**



1X10^6 Hela cells were intracellularly stained with 0.2 µg

Elab Fluor<sup>®</sup> 647-conjugated beta Tubulin Monoclonal Antibody (red), or 0.2 µg Elab Fluor<sup>®</sup> 647-conjugated beta Tubulin Monoclonal Antibody Isotype Control (green).

## **Preparation & Storage**

Storage Storage Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles. Protected from

prolonged exposure to light.

Shipping The product is shipped with ice pack, upon receipt, store it immediately at the

temperature recommended.

## **Background**

In eukaryotes there are six members of the tubulin superfamily.  $\alpha$ - and  $\beta$ -tubulins polymerize into microtubules, a major component of the eukaryotic cytoskeleton. Microtubules function in many essential cellular processes, including mitosis. Both  $\alpha$  and  $\beta$  tubulins have a mass of around 50 kDa. Tubulin was long thought to be specific to eukaryotes. Beta-tubulin gene is commonly used as a loading control for western blot.

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