

## Mouse Monoclonal Antibody to TUBB3

<b>Catalogue Number</b>	sAP-0310
<b>Target Molecule</b>	<p><b>Name:</b> TUBB3</p> <p><b>Aliases:</b> tubulin, beta 3; MC1R; TUBB4</p> <p><b>MW:</b> 50kDa</p> <p><b>Entrez Gene ID:</b> 10381</p>
<b>Description</b>	Tubulin, beta 3, also known as TUBB3. Tubulin is the major constituent of microtubules. It binds two moles of GTP, one at an exchangeable site on the beta chain and one at a non exchangeable site on the alpha-chain. Tubulin is a highly conserved protein with a molecular weight of ~50 kD. Microtubules play key roles in chromosome segregation in mitosis, intracellular transport, ciliary and flagellar bending, and structural support of the cytoskeleton. The two main tubulin isoforms, $\alpha$ - and $\beta$ -tubulin, are usually products of separate genes. The $\beta$ -tubulin family includes six expressed genes that produce the polypeptide isoforms known as Classes I through VI, each of which have a distinct pattern of expression. Class III $\beta$ -tubulin is found in neurons and mammalian testis cells and is widely used as a neuronal marker in developmental neurobiology.
<b>Immunogen</b>	Purified recombinant fragment of human TUBB3 expressed in E. Coli.
<b>Recombinant Species</b>	Human
<b>Clone</b>	MM2E9;
<b>Size and Concentration</b>	100 $\mu$ g/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100 $\mu$ l of Ascitic fluid containing 0.03% sodium azide.
<b>Reconstitution/Storages</b>	Reconstituted with 100 $\mu$ l sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; ICC: 1 to 200 - 1 to 1000; FCM: 1 to 200 - 1 to 400
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1. Histopathology. 2007 Jun;50(7):949-52. ; 2. Neurochem Res. 2007 Aug;32(8):1387-98. ; 3. Exp Eye Res. 1995 Apr;60(4):385-400.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**