

#### DESCRIPTION

<b>Specificity</b>	Detects mammalian and chicken neuron-specific $\beta$ -III tubulin but not other $\beta$ -tubulin isotypes in Western blots.
<b>Source</b>	Monoclonal Mouse IgG <sub>2A</sub> Clone # TuJ-1
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Rat brain-derived microtubules
<b>Conjugate</b>	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
<b>Formulation</b>	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide.  *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

#### APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

<b>Intracellular Staining by Flow Cytometry</b>	Titration recommended for optimal concentration with starting range of 0.1-1 $\mu$ g/1 million cells. Sample used for this experiment was HepG2 human hepatocellular carcinoma cells.
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#### PREPARATION AND STORAGE

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

#### BACKGROUND

$\beta$ -III Tubulin, also known as tubulin  $\beta$ -4, is regarded as a neuron-specific marker. The expression of  $\beta$ -III Tubulin has been suggested to be one of the earliest markers to signal commitment in primitive neuroepithelium.

#### PRODUCT SPECIFIC NOTICES

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