

## DESCRIPTION

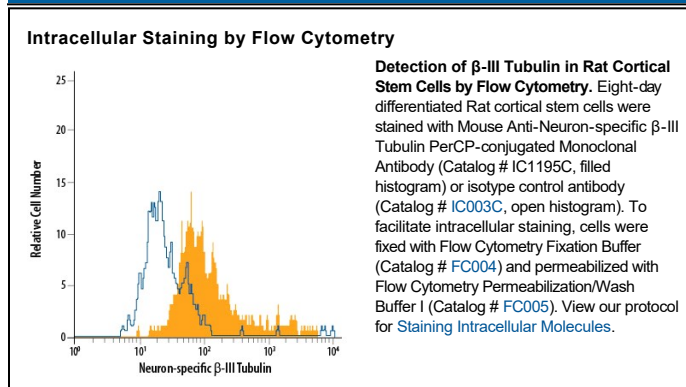
<b>Specificity</b>	Detects mammalian and chicken neuron-specific $\beta$ -III tubulin but not other $\beta$ -tubulin isotypes in flow cytometry.
<b>Source</b>	Monoclonal Mouse IgG <sub>2A</sub> Clone # TuJ-1
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Rat brain-derived microtubules
<b>Conjugate</b>	PerCP (Peridinin-chlorophyll Protein Complex) Excitation Wavelength: 482 and 564 nm Emission Wavelength: 675 nm
<b>Formulation</b>	Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.  *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.

	Recommended Concentration	Sample
<b>Intracellular Staining by Flow Cytometry</b>	10 $\mu$ L/10 <sup>6</sup> cells	See Below

## DATA



## 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 neuronal commitment in primitive neuroepithelium.