

# **β-III Tubulin APC-conjugated Antibody**

Monoclonal Mouse IgG<sub>2A</sub> Clone # TUJ1

Catalog Number: IC1195A

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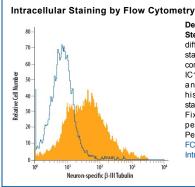
DESCRIPTION			
Specificity	Detects β-III Tubulin in flow cytometry.		
Source	Monoclonal Mouse IgG <sub>2A</sub> Clone # TUJ1		
Purification	Protein A or G purified from hybridoma culture supernatant		
Immunogen	Rat brain-derived microtubules		
Conjugate	Allophycocyanin Excitation Wavelength: 620-650 nm Emission Wavelength: 660-670 nm		
Formulation	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
Intracellular Staining by Flow Cytometry	10 μL/10 <sup>6</sup> cells	See Below

#### DATA



Detection of β-III Tubulin in Rat Cortical Stem Cells by Flow Cytometry. Eight-day differentiated Rat cortical stem cells was stained with Mouse Anti-β-III Tubulin APCconjugated Monoclonal Antibody (Catalog # IC1195A, filled histogram) or isotype control antibody (Catalog # IC003A, open histogram). To facilitate intracellular staining, cells were fixed with Flow Cytometry Fixation Buffer (Catalog # FC004) and permeabilized with Flow Cytometry Permeabilization/Wash Buffer I (Catalog # FC005). View our protocol for Staining Intracellular Molecules.

### PREPARATION AND STORAGE

The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below. Shipping

Stability & Storage Protect from light. Do not freeze.

12 months from date of receipt, 2 to 8 °C as supplied.

## **BACKGROUND**

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

