

TECHNICAL DATA SHEET

CyFlow™ Beta3-tubulin FITC Clone TU-20

REF AR041515

For Research Use Only.
Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	β3-tubulin
Alternative Names	—
Clone	TU-20
Clonality	monoclonal
Format	FITC
Host / Isotype	Mouse / IgG1
Species Reactivity	Broad Spectrum
Negative Species Reactivity	—
Quantity [Concentration]	0.1 mg [1 mg/ml]
Immunogen	Peptide (C) 441-448 coupled to maleimide-activated keyhole limpet hemocyanin via cysteine added to the N-terminus of the neuron-specific peptide

Specificity

The mouse monoclonal antibody TU-20 recognizes C-terminal peptide sequence ESESQGPK (aa 441-448) of neuron-specific human β3-tubulin.

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Application

The reagent is designed for Immunocytochemistry. Suggested working usage is 2.5 µg/ml. The conjugate was also successfully used on paraffin sections using confocal microscopy. Working concentrations should be determined by the investigator.

Other usages may be determined from the scientific literature.

Storage Buffer

The reagent is provided in phosphate buffered saline (PBS) solution, pH ≈7.4, containing 0.1% (w/v) sodium azide.

Storage and Stability

Storage	Avoid prolonged exposure to light. Store in the dark at 2-8°C. Do not freeze.
Stability	Do not use after expiration date stamped on vial label.

Background Information

The β3-tubulin isoform is present dominantly in cells of neuronal origin and it is one of the earliest markers of neuronal differentiation. It is regarded as a specific probe for the cells of neuronal origin as well as for the tumors originating from these cells. The β3-tubulin is most abundant in cells of neuronal origin, but was also detected in Sertoli cells of the testis and transiently in non-neuronal embryonic tissues.

References

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The Safety Data Sheet for this product is available at www.sysmex-partec.com/services.

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