FITC Mouse Anti-betaIII-tubulin
Monoclonal Antibody

CLX108F
Lot: 

Clone: TU-20
Isotype: Mouse IgG1
Specificity: The antibody TU-20 recognizes C-terminal peptide sequence ESESQGPK (aa 441-448) of neuron-specific human betaIII-tubulin.

Immunogen: Peptide (C) 441-448 coupled to maleimide-activated keyhole limpet hemocyanin via cysteine added to the N-terminus of the neuron-specific peptide.

Species Reactivity: Broad species reactivity

Preparation: The purified antibody is conjugated with Fluorescein isothiocyanate (FITC) under optimum conditions. The reagent is free of unconjugated FITC.

Storage Buffer: Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4.

Storage / Stability: Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. Do not use after expiration date stamped on vial label. Short-term exposure to room temperature should not affect the quality of the reagent. However, if reagent is stored under any conditions other than those specified, the conditions must be verified by the user.

Usage: Immunocytochemistry on fixed and permeabilized cells. Suggested working dilution is 1:40. The conjugate was also successfully used on paraffin sections using confocal microscopy. It is recommended that the user titrates the reagent for use in the particular testing system.

Background: The betaIII-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 tumours originating from these cells. The betaIII-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.

Continued Overleaf…
References:


_This product is made available in collaboration with Exbio Praha, a.s._

**Laboratory Reagent For Research Use Only**

BA 03/18/13