

Product datasheet for **BM170F**

beta III Tubulin (TUBB3) (N-term) Mouse Monoclonal Antibody [Clone ID: TU-20]

Product data:

Product Type:	Primary Antibodies
Clone Name:	TU-20
Applications:	ELISA, FC, IF, IHC, WB
Recommended Dilution:	Immunohistochemistry on Frozen and Paraffin Sections. Immunocytochemistry on Fixed and Permeabilized cells. Suggested working dilution is 1/40. The conjugate was also successfully used on FFPE Sections using Confocal Microscopy. The unconjugated antibody (BM170S/BM170) also works for: Flow cytometry. ELISA. Western Blot. Immunocytochemistry.
Reactivity:	Broad, All Species
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
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:	This antibody recognizes the C-terminal peptide sequence ESESQGPK (aa 441-448) of human class III β -tubulin specific for neurones. The antibody is a highly specific marker for neuronal tissue. TU-20 is very useful for the detection of microtubule structures on fixed cells. MAb TU-20 is widely cross-reactive among species (recognized epitope conserved within all species).
Formulation:	PBS containing 15 mM Sodium Azide as preservative, approx. pH 7.4 Label: FITC State: Liquid purified Ig fraction Label: Conjugated with Fluorescein isothiocyanate under optimum conditions. The reagent is free of unconjugated FITC.
Concentration:	lot specific
Conjugation:	FITC



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Storage:	Store the antibody in the dark at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Gene Name:	tubulin beta 3 class III
Database Link:	Q13509
Background:	The betaIII-tubulin isotype is present dominantly in cells of neuronal origin and it is one of the earliest marker of neuronal differentiation. Class III beta-tubulin, is regarded as a specific probe for the cells of neuronal origin as well as for the tumours originating from these cells. The neuron-associated class III beta-tubulin isotype 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.
Synonyms:	Tubulin beta-3 chain, Tubulin beta-III, Tubulin beta-4