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## **Monoclonal Antibody To Human beta-Tubulin III Marker For Neuronal Tissue**

Monoclonal antibody TU-20 is a highly specific marker for neuronal tissue. It reacts with the class III  $\beta$ -isoform of tubulin, peptide ESESQGPK specific for neurons. TU-20 is very useful for the detection of microtubule structures on fixed cells.

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<b>Product Number:</b>	T-1315 (Lot 02PO0901)
<b>Clone:</b>	TU-20
<b>Host species, isotype:</b>	Mouse IgG1
<b>Quantity:</b>	200 $\mu$ g
<b>Format:</b>	Purified from ascites, lyophilized  Reconstitute by adding 0.5ml distilled water. This stock solution contains 0.4mg/ml IgG, phosphate buffered saline pH 7.2 (PBS), 5mg/ml bovine serum albumin (BSA) as a stabilizer and 0.09% sodium azide as a preservative.
<b>Stability:</b>	Original vial: 1 year at 4° - 8°C  Stock solution or aliquots thereof: 1 year at -20°C. Avoid repeated thawing and freezing.
<b>Applications:</b>	Tested for immunohistochemistry (IHC); has been described to work in ELISA and western blotting.  <b>Approximate working dilution for IHC:</b> Frozen sections: 5-10 $\mu$ g /ml (1:40-1:80) Paraffin sections: 20 $\mu$ g/ml (1:20); Proteinase K pretreatment for antigen retrieval is recommended.  Optimal dilutions should be determined by the end user. Suggested positive control: Human cortex.  Please see <a href="http://www.bma.ch">www.bma.ch</a> for protocols and general information.
<b>Immunogen:</b>	Synthetic C-terminal peptide.
<b>Specificity:</b>	<b>Human:</b> beta-Tubulin III. <b>Other:</b> rat

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## **Selected references**

Dráberová, E. et al.: Histochem. Cell Biol. **109**, 231 (1998).

For *in vitro* research only. Caution: this product contains sodium azide, a poisonous and hazardous substance.