

## Anti-Beta-Tubulin III Antibody, Clone TUJ1



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## Antibodies

Mouse monoclonal IgG2a antibody  
against human, mouse, rat beta-  
tubulin III, unconjugated

Catalog #60052

250 µL 1 mg/mL

## Product Description

This antibody clone is well characterized and strongly reacts with neuron specific Class III  $\beta$ -Tubulin and not  $\beta$ -Tubulin found in glial cells.

Target Antigen Name:	Beta-Tubulin III
Alternative Names:	CDCBM, CDCBM1, CFEOM3, CFEOM3A, Class III beta-tubulin, FEOM3, TUBB4, Tubulin beta-3 chain, Tubulin beta-III, Tubulin beta-4 chain
Gene ID:	10381
Species Reactivity:	Human, Mouse, Rat
Host Species:	Mouse
Clonality:	Monoclonal
Clone:	TUJ1
Isotype:	IgG2a
Immunogen:	Rat brain microtubules
Conjugate:	Unconjugated

## Applications

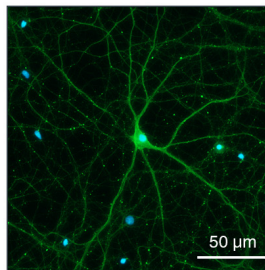
Verified:	ICC
Reported:	FC, ICC, IF, IHC, IP, WB

Abbreviations: CellSep: Cell separation; ChIP: Chromatin immunoprecipitation; FA: Functional assay; FC: Flow cytometry; ICC: Immunocytochemistry; IF: Immunofluorescence microscopy; IHC: Immunohistochemistry; IP: Immunoprecipitation; RIA: Radioimmunoassay; WB: Western blotting

## Properties

Formulation:	Phosphate-buffered solution containing 0.03% Thimerosal
Purification:	The antibody was purified by affinity chromatography.
Stability and Storage:	Product stable at 2 - 8°C when stored undiluted. Do not freeze. For product expiry date, please contact <a href="mailto:techsupport@stemcell.com">techsupport@stemcell.com</a> .
Directions for Use:	The suggested use of this antibody is: ICC, 1:1000 - 1:5000 dilution; IHC, 1:500 - 1:5000 dilution; WB, 1:1000 dilution. It is recommended that the antibody be titrated for optimal performance for each application. For further instructions on how to use this antibody, refer to the Technical Manual: In Vitro Proliferation and Differentiation of Human Neural Stem and Progenitor Cells Using NeuroCult™ or NeuroCult™-XF (Document #28724) available on our website at <a href="http://www.stemcell.com">www.stemcell.com</a> .

## Data



E18 cortical rat neurons were cultured using NeuroCult™ SM1 Neuronal Culture Kit on poly-L-ornithine and laminin-coated glass coverslips, then fixed and labeled with Anti-Beta-Tubulin III Antibody, Clone TUJ1, followed by donkey anti-mouse IgG, Alexa Fluor® 488, and counterstained with DAPI.

## Related Products

For a complete list of antibodies, including other conjugates, sizes and clones, as well as related products available from STEMCELL Technologies, please visit our website at [www.stemcell.com/antibodies](http://www.stemcell.com/antibodies) or contact us at [techsupport@stemcell.com](mailto:techsupport@stemcell.com).

## References

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