Antibodies

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

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 β-Tubulin and not β-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 techsupport@stemcell.com.

**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 www.stemcell.com.
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 or contact us at techsupport@stemcell.com.

References