

### 34-1117: Monoclonal Antibody to Beta Tubulin(Clone: 4E4)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	4E4
<b>Application :</b>	WB, IF/ICC, IHC
<b>Reactivity :</b>	Human, Monkey, Rat, Mouse
<b>Gene :</b>	TUBB
<b>Gene ID :</b>	203068
<b>Uniprot ID :</b>	P07437
<b>Format :</b>	Purified
<b>Alternative Name :</b>	Tubulin beta-5 chain
<b>Isotype :</b>	Mouse, IgG2a
<b>Immunogen Information :</b>	Pig brain tubulin

#### Product Info

<b>Amount :</b>	50 µl / 100 µl
<b>Content :</b>	Antibody is supplied as an aliquot of affinity purified antibody.
<b>Storage condition :</b>	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

#### Application Note

WB: 1:5,000-1:10,000, ICC/IF and IHC: 1:1000-1:5,000.

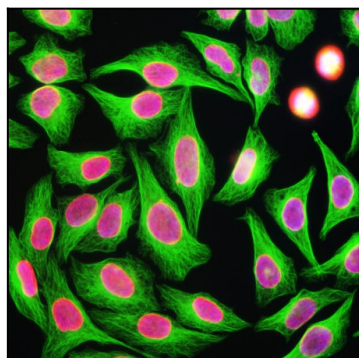


Figure-1: Immunofluorescence analysis of HeLa cells stained with mouse mAb to  $\beta$ -tubulin,(34-1117), dilution 1:5,000 in green, and costained with chicken pAb to lamin A/C,(34-1057), dilution 1:2,000, in red. Blue is DAPI staining of nuclear DNA. (34-1117) antibody produces strong staining of cytoplasmic microtubules, while the lamin A/C antibody specifically labels the nuclear membrane of these cells.

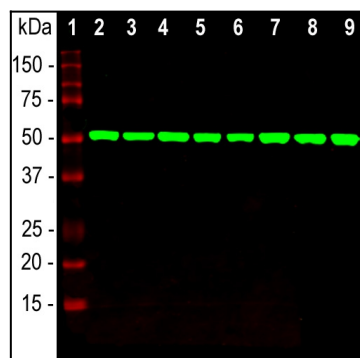


Figure-2: Western blot analysis of equal amounts of cell line and whole brain lysates using mouse mAb to  $\beta$ -tubulin (34-1117), dilution 1:5,000 in green: [1] protein standard (red), [2] HEK293, [3] HeLa, [4] SH-SY5Y, [5] COS-1, [6] NIH-3T3, [7] C6 cells, [8] rat brain, and [9] mouse brain. Strong band at 50 kDa corresponds to the  $\beta$ -tubulin proteins.