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Anti-β-Tubulin Mouse mAb [44B03]

Catalog No.: A33133

Basic Information

Catalog No. (Cat.No.)	A33133
Host species	Mouse
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,ICC/IF,IF-P,ELISA
Synonyms	β-Tubulin,M40,TUBB1,TUBB5,CDCBM6,CSCSC1,OK/SW-cl.56

Product Information

Target	β-Tubulin
Molecular Weight(Calculated)	55 kDa
Molecular Weight(Observed)	NA
Isotype	IgG
Conjugation	NA
Concentration	1 mg/ml
Clonality	Monoclonal
Clone No.	44B03
RRID	NA
Storage buffer	0.05% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

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Product Usage Information

Application	Dilution
WB	1:1000
IHC	1:1000
ICC/IF	1:100-1:500
IF-P	1:200-1:2000
ELISA	1:5000-1:20000

Target Information

Protein Name	Beta-tubulin
Gene Name	*TUBB*
Domain	Full length
Background	β-Tubulin belongs to tubulin family and controls microtubule dynamics, cell division and molecular motor anchoring. β□Tubulin forms heterodimers with α□Tubulin and constitutes microtubule plus end, governing dynamic instability for microtubule growth and shrinkage. Multiple tissue-specific β-tubulin isoforms exist, such as neuron-specific βIII-Tubulin (Tuj1) involved in neuronal differentiation. β-Tubulin is stably expressed across most cell types and used as loading control for WB and IF. Isoform switching or mutations may confer resistance to taxane-class microtubule-targeting drugs. It is widely applied in cytoskeleton, mitosis, neuronal differentiation and anti-tumour drug resistance researches.