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<b>Catalog Number:</b>	MO18004	<b>Host:</b>	Mouse
<b>Product Type:</b>	Protein G purified IgG <sub>1</sub>	<b>Species Reactivity:</b>	Human
<b>Immunogen Sequence:</b>	Produced by immunizing BALB/c mice with blast cells of a chronic myeloid leukemia patient.	<b>Format:</b>	Liquid in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide.
<b>Applications</b>	Immunohistochemistry-1:800 (Paraffin)  Dilutions listed as a recommendation. Optimal dilution should be determined by investigator.		
<b>References:</b>	Kosik, K.S. et al. (1988) Epitopes that span the tau molecule are shared with paired helical filaments. <i>Neuron</i> 1, 817-825.  Mawal-Dewan, M. et al. (1994) The phosphorylation state of tau in the developing rat brain is regulated by phosphoprotein phosphatases. <i>J. Biol. Chem.</i> 269, 30981-30987.		
<b>Storage:</b>	Antibody can be aliquotted and stored frozen at -20° C to -70° C in a manual defrost freezer for six months without detectable loss of activity. The antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. <i>Avoid repeated freeze-thaw cycles.</i>		

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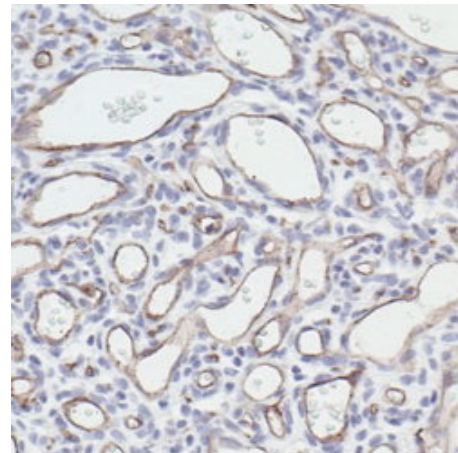
### Application Notes

#### Specificity

Tau (Tau46) Mouse mAb detects endogenous levels of total tau protein and also cross-reacts with MAP2 at 280kD. Tau (Tau46) Mouse mAb is predicted to detect all six isoforms of tau based on the amino acid sequence.

CD34 is a type I transmembrane glycoprophosphoprotein expressed by hematopoietic stem/progenitor cells (HSCs). CD34 may also stimulate proportions of adult human HSCs to differentiate into full-fledged neurons. This may open new possibilities for a high-yield production of neurons from bone marrow. In tumors, CD34 is found in alveolar soft part sarcoma, preB-ALL (positive in 75%), AML (40%), AML-M7 (most), dermatofibrosarcoma protuberans, gastrointestinal stromal tumors, giant cell fibroblastoma, granulocytic sarcoma, Kaposi's sarcoma, liposarcoma, malignant fibrous histiocytoma, malignant peripheral nerve sheath tumors, meningioma, hemangiopericytomas, meningiomas, neurofibromas, schwannomas, and papillary thyroid carcinoma.

*Image: CD34 staining of paraffin-embedded human capillary hemangioma.*



### FOR RESEARCH USE ONLY

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