

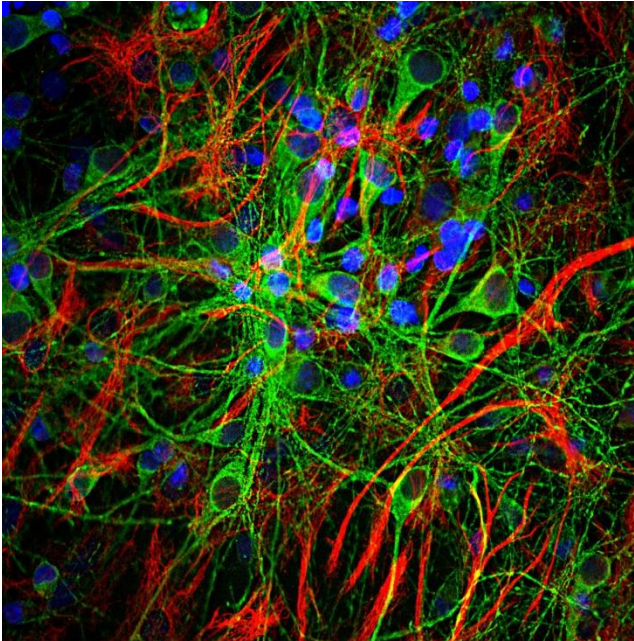


<b>Catalog Number:</b>	MO22191	<b>Host:</b>	Mouse
<b>Product Type:</b>	Mouse Monoclonal IgG	<b>Species Reactivity:</b>	Human, Rat, and Mouse
<b>Immunogen Sequence:</b>	Recombinant full length 441 amino acid human tau. Epitope located in the peptide HVPGGGNKKIETHKLFREN, amino acids 362-381	<b>Format:</b>	Purified antibody at 1mg/mL in 50% PBS, 50% glycerol plus 5mM Na <sub>3</sub>
<b>Applications:</b>	Immunohistochemistry: 1:1,000 Immunofluorescent: 1:1,000 Immunohistochemistry: 1:1,000 Western Blot: 1:10,000		

Dilutions listed as a recommendation. Optimal dilution should be determined by investigator.

**Storage:** Antibody can also be aliquotted and stored frozen at -20° 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. Avoid repeated freeze-thaw cycles.

### Application Notes



#### Description/Data:

Tau is a low molecular weight member of the microtubule associated protein or MAP family. Several serious human diseases are associated with accumulations of tau protein, most notably the neurofibrillary tangles of Alzheimer's disease. Accumulations of tau in neurons are also characteristic of chronic traumatic encephalopathy, Pick's disease and several other neurodegenerative diseases. Together these disorders are known as "tauopathies".

*Image: Immunofluorescent analysis of cortical neuronal culture from E20 rat stained with mouse mAb to MAP-τ, MO22191, dilution 1:2,000 in green, and costained with chicken pAb to GFAP dilution 1:5,000 in red. The blue is DAPI staining of nuclear DNA. MO22191 stains perikarya, dendrites and axons of neurons, while the GFAP antibody labels astrocytes.*

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