

## Product datasheet for **CF594322**

### Tau (MAPT) Rabbit Monoclonal Antibody [Clone ID: OTIR5B1]

#### Product data:

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	OTIR5B1
<b>Applications:</b>	ELISA
<b>Recommended Dilution:</b>	ELISA 1:10000-1:100000
<b>Reactivity:</b>	Human
<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Full length human recombinant protein of human Tau (NP_005901) produced in E.coli.
<b>Formulation:</b>	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
<b>Reconstitution Method:</b>	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
<b>Purification:</b>	Purified from cell culture supernatant by affinity chromatography (protein A/G)
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Shipped at -20°C or with ice packs, Upon delivery store at -20°C. Dilute in PBS(pH7.3) if necessary. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.
<b>Stability:</b>	Stable for 12 months from date to receipt.
<b>Predicted Protein Size:</b>	45.7 kDa
<b>Gene Name:</b>	microtubule associated protein tau



**Database Link:** [NP\\_005901](#)  
[Entrez Gene 4137 Human](#)  
[P10636](#)

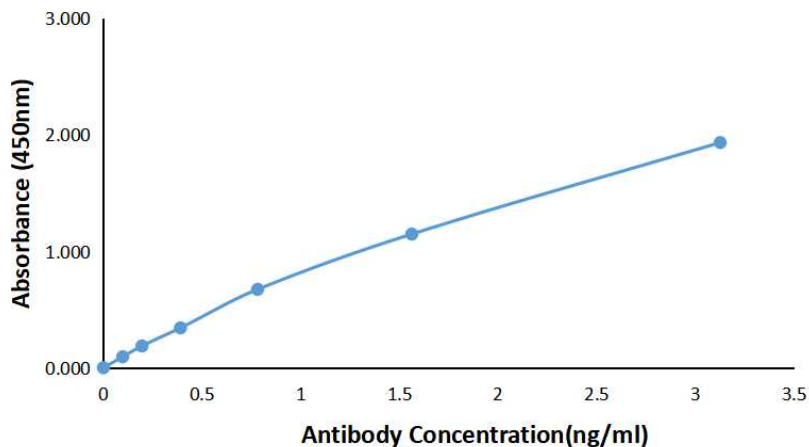
**Background:** This gene encodes the microtubule-associated protein tau (MAPT) whose transcript undergoes complex, regulated alternative splicing, giving rise to several mRNA species. MAPT transcripts are differentially expressed in the nervous system, depending on stage of neuronal maturation and neuron type. MAPT gene mutations have been associated with several neurodegenerative disorders such as Alzheimer's disease, Pick's disease, frontotemporal dementia, cortico-basal degeneration and progressive supranuclear palsy. [provided by RefSeq, Jul 2008]

**Synonyms:** DDPAC; FTDP-17; MAPTL; MSTD; MTBT1; MTBT2; PPND; PPP1R103; TAU; tau-40

**Protein Families:** Druggable Genome

**Protein Pathways:** Alzheimer's disease, MAPK signaling pathway

### Product images:



ELISA with coating antigen Tau full length protein and 5B1 Tau antibody ([TA594322]).