

Tau

Cat.No. 314-0P; control protein, 100 µg protein (lyophilized)

Data Sheet

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|----------------------------|---|
| Reconstitution/ Storage | 100 µg protein, lyophilized. For reconstitution add 100 µl H ₂ O to get a 1mg/ml solution in TBS. Then aliquot and store at -20°C until use. |
| Immunogen | Recombinant protein corresponding to AA 3 to 214 from mouse Tau (UniProt Id: P10637) |
| Recommended dilution | Optimal concentrations should be determined by the end-user. |
| matching antibodies | 314 002, 314 003, 314 004, 314 006, 314 011 |
| Remarks | This control protein consists of the recombinant protein (aa 3 - 214 of mouse tau) that has been used for immunization. It has been tested in preadsorption experiments and blocks efficiently and specifically the corresponding signal in Western blots. The amount of protein needed for efficient blocking depends on the titer and on the affinity of the antibody to the antigen. |

TO BE USED IN VITRO / FOR RESEARCH ONLY
NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS

There are two major classes of heat stable microtubule associated proteins (MAPS): MAP 2 (280 kD), and **tau** (55-65 kD). Both protein classes are involved in the regulation of microtubule polymerization in cells. Tau is a neuronal protein that mainly localizes to axons. Hyperphosphorylated tau has been shown to be a major element of paired helical filaments in Alzheimer's disease.

Selected General References

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