

Tau Monoclonal Antibody (HT7)

Product Details	
Size	100 µg
Species Reactivity	Bovine, Human
Published Species	Artificial Control, Rat, Non-human primate, Human, Mouse
Host/Isotope	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	HT7
Conjugate	Unconjugated
Immunogen	Purified human Tau, epitope human Tau between residue 159 and 163 (numbering according to human Tau40), corresponding to the amino acid sequence PPGQK.
Form	Liquid
Concentration	0.2 mg/mL
Purification	Protein A
Storage buffer	PBS
Contains	no preservative
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2314654

Applications	Tested Dilution	Publications
ELISA (ELISA)	Assay Dependent	13 Publications
Immunocytochemistry (ICC)	1:500-1:2000	11 Publications
Immunofluorescence (IF)	1:500-1:2000	14 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:500-1:2000	3 Publications
Immunohistochemistry - Free Floating (IHC (Free))	Assay Dependent	1 Publication
Western Blot (WB)	1:200-1:2000	99 Publications
Immunohistochemistry (IHC)	-	34 Publications
Immunoprecipitation (IP)	-	8 Publications
Miscellaneous PubMed (Misc)	-	2 Publications
Neutralization (Neu)	-	1 Publication

Product Specific Information

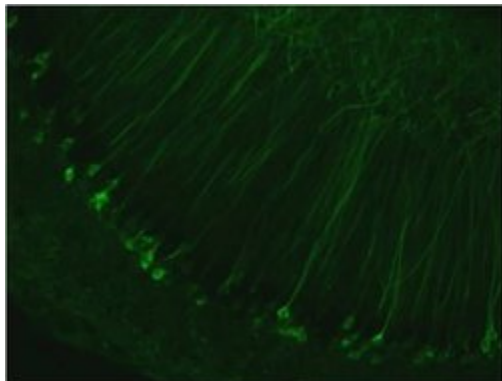
MN1000 targets Tau in ELISA, IF, ICC, IHC (P), and WB applications and shows reactivity with Bovine, and Human samples.

The MN1000 immunogen is purified human Tau, epitope human Tau between residue 159 and 163 (numbering according to

human Tau40), corresponding to the amino acid sequence PPGQK.

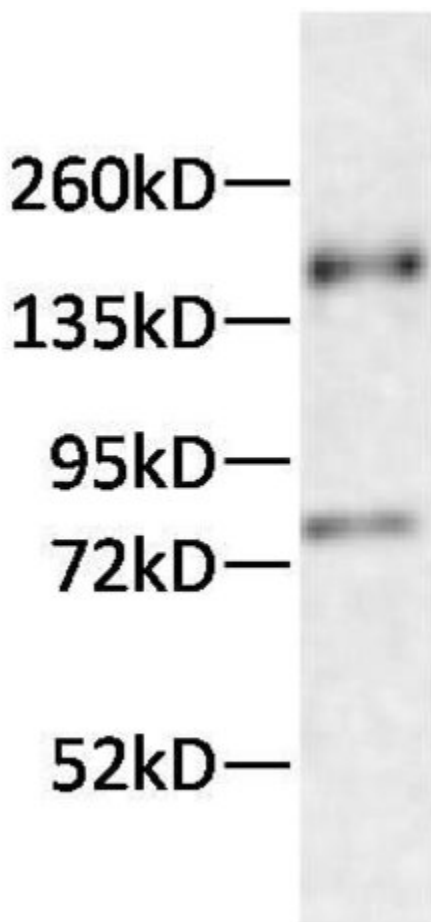
MN1000 detects Tau which has a predicted molecular weight of approximately 79 kDa.

Product Images For Tau Monoclonal Antibody (HT7)



Tau Antibody (MN1000) in IHC (Free)

Immunohistochemistry was performed on paraformaldehyde-fixed free-floating hippocampus tissue sections from transgenic (3xTg-AD) mice that express human Tau. Tissues were blocked in 5% normal horse serum and 0.4% Triton X-100 for 60 minutes at room temperature and probed with a Tau monoclonal antibody (Product # MN1000) at a dilution of 1:1000 at 4°C overnight. Tissues were washed extensively with PBS. Detection was performed using a fluorophore-conjugated anti-mouse IgG secondary antibody at a dilution of 1:1000. Tissues were visualized by fluorescence microscopy. Data courtesy of the Innovators Program.



Tau Antibody (MN1000) in WB

Western blot analysis of human Tau was performed by loading 15 µg of sarkosyl-soluble cortex lysate from transgenic (3xTg-AD) mice that express human Tau per well onto an SDS-PAGE gel. Proteins were transferred to a PVDF membrane and blocked with 5% milk + 0.5% BSA in PBST buffer for 1 hour at room temperature. The membrane was probed with a Tau monoclonal antibody (Product # MN1000) at a dilution of 1:1000 at 4°C overnight, washed in PBST, and probed with an HRP-conjugated anti-mouse IgG secondary antibody at a dilution of 1:60,000. Detection was performed using a chemiluminescent substrate. Data courtesy of the Innovators Program.

[View more figures on thermofisher.com](https://www.thermofisher.com)

Western Blot (99)

Frontiers in molecular neuroscience

Differences in Gene Expression Profiles and Phenotypes of Differentiated SH-SY5Y Neurons Stably Overexpressing Mitochondrial Ferritin.

"MN1000 was used in Western Blotting to determine whether mitochondrial ferritin has potential as a therapeutic approach for certain neurodegenerative and neurological diseases."

Authors: Mendsaikhan A,Takeuchi S,Walker DG,Tooyama I

Species
Human

Dilution
1:2,000

Year
2020

American journal of neurodegenerative disease

Chemical and neuropathological analyses of an Alzheimer's disease patient treated with solanezumab.

"Published figure using Tau monoclonal antibody (Product # MN1000) in Western Blot"

Authors: Roher AE,Maarouf CL,Kokjohn TA,Belden C,Serrano G,Sabbagh MS,Beach TG

Species
Not Applicable

Dilution
Not Cited

Year
2019

[View more WB references on thermofisher.com](#)

Immunofluorescence (14)

Frontiers in neuroscience

Direct Neuronal Reprogramming for Disease Modeling Studies Using Patient-Derived Neurons: What Have We Learned?

"Published figure using Tau monoclonal antibody (Product # MN1000) in Immunofluorescence"

Authors: Drouin-Ouellet J,Pirces K,Barker RA,Jakobsson J,Parmar M

Species
Not Applicable

Dilution
Not Cited

Year
2019

Neurobiology of aging

Brain regional synchronous activity predicts tauopathy in 3xTgAD mice.

"MN1000 was used in Immunohistochemistry-immunofluorescence to demonstrate that age-related brain regional hypersynchronous activity is associated with early tau pathology in a mouse model."

Authors: Liu D,Lu H,Stein E,Zhou Z,Yang Y,Mattson MP

Species
Mouse

Dilution
Not Cited

Year
2018

[View more IF references on thermofisher.com](#)

More applications with references on thermofisher.com

IHC (34)

IP (8)

ICC (11)

ELISA (13)

IHC (P) (3)

Neu (1)

Misc (2)

IHC (Free) (1)

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