

Rat Tau Protein ELISA Kit | Tau elisa kit

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CATALOG #
AAA16241

REACTIVITY
Rat

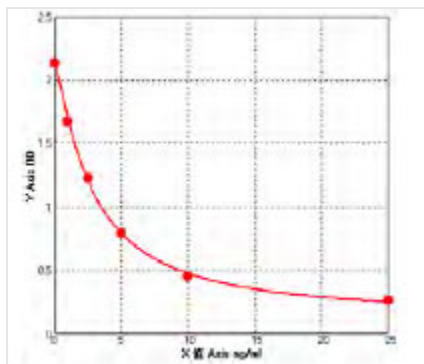
PRODUCT SYNONYMS

Tau Protein; Rat Tau Protein ELISA Kit; Tau elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of TAU. No significant cross-reactivity or interference between TAU and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between TAU and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Tau elisa kit	Intended Uses: This TAU ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat TAU. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: TAU ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-TAU antibody and an TAU-HRP conjugate. The assay sample and buffer are incubated together with TAU-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the TAU concentration since TAU from samples and TAU-HRP conjugate compete for the anti-TAU antibody binding site. Since the number of sites is limited, as more sites are occupied by TAU from the sample, fewer sites are left to bind TAU-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TAU concentration in each sample is interpolated from this standard curve.
Product Categories/Family for Tau elisa kit	Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	21357661
NCBI GeneID	326116
NCBI Accession #	NP_651575.1
NCBI GenBank Nucleotide #	NM_143318.3
Molecular Weight	38,538 Da
NCBI Official Full Name	tau, isoform A
NCBI Official Symbol	tau
NCBI Official Synonym Symbols	BcDNA:RE16764; CG12881; CG31057; CG31058; CG34294; CG45110; CG5606; d-tau; DmelCG45110; dtau; dTau; Tau
NCBI Protein Information	CG45110 gene product from transcript CG45110-RH; CG45110-PA; CG45110-PB; CG45110-PC; CG45110-PE; CG45110-PF; CG45110-PG; CG45110-PH; CG45110-PI; CG45110-PJ; CG45110-PK; CG45110-PL; CG45110-PM; tau; tau-PA; tau-PB; tau-PC; tau-PE; tau-PF; tau-PG; tau-PH; tau-PI; tau-PJ; tau-PK; tau-PL; tau-PM
UniProt Protein Name	Microtubule-associated protein
UniProt Gene Name	tau
UniProt Synonym Gene Names	CG34294; Dmel_CG31057
UniProt Entry Name	Q9VB13_DROME

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/tau-protein/16241>