

## Sheep Tau Protein ELISA Kit | Tau elisa kit

Sheep Tau Protein ELISA Kit

 CATALOG #  
**AAA93240**

 REACTIVITY  
**Sheep**

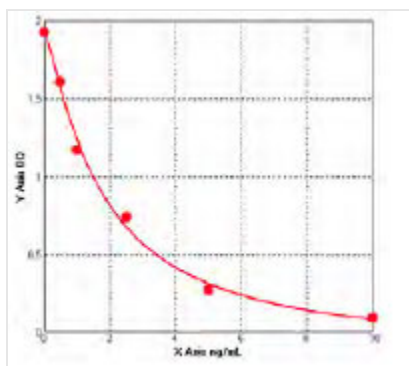
### PRODUCT SYNONYMS

Tau Protein; Sheep Tau Protein ELISA Kit; Tau elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Sheep                                                                                                                                                                                                                                                                                                                                                                                 |
| 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 | <p>Intended Uses: This TAU ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of SheepTAU. This ELISA kit for research use only!</p> <p>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.</p> |
| 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/sheep-elisa-kits/tau-protein/93240>