

## Mouse Glycogen synthase kinase-3 beta ELISA Kit | Gsk3b elisa kit

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CATALOG #  
**AAA195920**

REACTIVITY  
**Mouse**

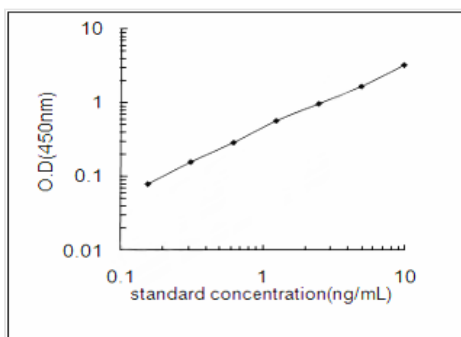
### PRODUCT SYNONYMS

Glycogen synthase kinase-3 beta; Mouse Glycogen synthase kinase-3 beta ELISA Kit; GSK-3 beta; Serine/threonine-protein kinase GSK3B; Gsk3b; 2.7.11.26; 2.7.11.1; Gsk3b elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                               |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                         |
| Specificity             | This assay recognizes recombinant and natural mouse GSK-3 beta. No significant cross-reactivity or interference was observed. |
| Sequence Length         | 420                                                                                                                           |
| Assay Type              | Sandwich                                                                                                                      |
| Detection Range         | 0.156-10 ng/ml                                                                                                                |
| Sensitivity             | 0.078 ng/mL                                                                                                                   |
| Intra-Assay CV          | <=4.9%                                                                                                                        |
| Inter-Assay CV          | <=7.4%                                                                                                                        |
| Recovery                | 100%                                                                                                                          |
| Preparation and Storage | For long term storage, please store the entire kit at -20 degree C.                                                           |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for Gsk3b elisa kit | <p>Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of mouse GSK-3 beta concentrations in serum, Plasma, tissue homogenates and Cell culture supernates and Other biological fluids.</p> <p>Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to GSK-3 beta. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for GSK-3 beta and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain GSK-3 beta, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of GSK-3 beta in the samples is then determined by comparing the O.D. of the samples to the standard curve.</p> |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                              |
|----------------------------------|--------------------------------------------------------------|
| NCBI GI #                        | 9790077                                                      |
| NCBI GeneID                      | 56637                                                        |
| NCBI Accession #                 | NP_062801.1                                                  |
| NCBI GenBank Nucleotide #        | NM_019827.6                                                  |
| UniProt Accession #              | Q9WV60                                                       |
| Molecular Weight                 | 46,710 Da                                                    |
| NCBI Official Full Name          | glycogen synthase kinase-3 beta                              |
| NCBI Official Synonym Full Names | glycogen synthase kinase 3 beta                              |
| NCBI Official Symbol             | Gsk3b                                                        |
| NCBI Official Synonym Symbols    | GSK3; GSK-3; C86142; GSK-3beta; 7330414F15Rik; 8430431H08Rik |
| NCBI Protein Information         | glycogen synthase kinase-3 beta                              |
| UniProt Protein Name             | Glycogen synthase kinase-3 beta                              |
| UniProt Gene Name                | Gsk3b                                                        |
| UniProt Synonym Gene Names       | GSK-3 beta                                                   |
| UniProt Entry Name               | GSK3B_MOUSE                                                  |

**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/gsk3b-mouse-elisa-kits/glycogen-synthase-kinase-3-beta/195920>