

## Bovine Prion Protein (PRNP) ELISA Kit | PRNP elisa kit

Bovine Prion Protein (PRNP)(Sandwich ELISA) ELISA Kit

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| CATALOG #<br><b>AAA150889</b> | REACTIVITY<br><b>Bovine</b> | APPLICATIONS<br><b>ELISA</b> |
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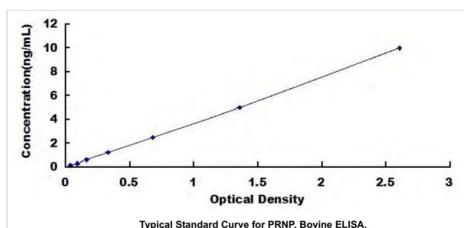
### PRODUCT SYNONYMS

Prion Protein (PRNP); Bovine Prion Protein (PRNP)(Sandwich ELISA) ELISA Kit; ELISA Kit for Prion Protein (PRNP); PRNP/Prion Protein; CD230; GSS; ASCR; CJD; PRIP; PrP; PrP2730; PrPc; Major prion protein; Creutzfeldt-Jakob Disease; Gerstmann-Strausler-Scheinker Syndrome; Fatal Familial Insomnia; PRNP elisa kit

### PRODUCT SPECIFICATIONS

|                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                 | Bovine                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Specificity                                | This assay has high sensitivity and excellent specificity for detection of PRNP. No significant cross-reactivity or interference between PRNP and analogues was observed.                                                                                                                                                                                                                                                                                                                                                                                                  |
| Assay Type                                 | Quantitative Sandwich                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Samples                                    | Bovine tissue homogenates, cell lysates and other biological fluids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Detection Range                            | 0.156-10ng/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Sensitivity                                | < 0.060ng/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Applicable Applications for PRNP elisa kit | ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Intra-assay Precision                      | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PRNP were tested 20 times on one plate, respectively. Intra-Assay: CV<10%                                                                                                                                                                                                                                                                                                                                                                                                     |
| Inter-assay Precision                      | Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level PRNP were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%                                                                                                                                                                                                                                                                                                                                                                   |
| Preparation and Storage                    | Store at 4 degree C for 1 month; -20 degree C for long-term (within shelf life)<br>The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end. |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for PRNP elisa kit | <p>Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to PRNP. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to PRNP. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain PRNP, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of PRNP in the samples is then determined by comparing the O.D. of the samples to the standard curve.</p> <p>Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PRNP in bovine tissue homogenates, cell lysates and other biological fluids.</p> |
| Product Categories/Family for PRNP elisa kit   | Signal transduction; Developmental science                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

**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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/bovine-ovine-elisa-kits/prion-protein-prnp/150889>