

## Sheep Major prion protein (PRNP) ELISA Kit | PRNP elisa kit

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CATALOG #  
**AAA245842**

REACTIVITY  
**Sheep**

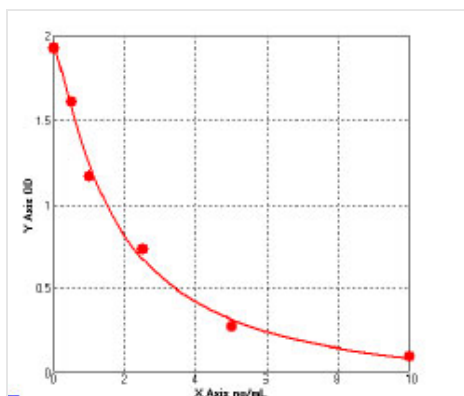
### PRODUCT SYNONYMS

Major prion protein (PRNP); Sheep Major prion protein (PRNP) ELISA Kit; PRNP elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Sheep                                                                                                                                                                                                                                                                                                                                                                                    |
| 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. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PRNP 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 PRNP elisa kit | <p>Intended Uses: This PRNP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep PRNP. This ELISA kit for research use only, not for therapeutic or test applications!</p> <p>Principle of the Assay: PRNP ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-PRNP antibody and an PRNP-HRP conjugate. The assay sample and buffer are incubated together with PRNP-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 PRNP concentration since PRNP from samples and PRNP-HRP conjugate compete for the anti-PRNP antibody binding site. Since the number of sites is limited, as more sites are occupied by PRNP from the sample, fewer sites are left to bind PRNP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PRNP concentration in each sample is interpolated from this standard curve.</p> |
| Product Categories/Family for PRNP elisa kit   | Neurobiology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                      |
|----------------------------------|--------------------------------------------------------------------------------------|
| NCBI GI #                        | 34335270                                                                             |
| NCBI GeneID                      | 5621                                                                                 |
| NCBI Accession #                 | NP_898902.1                                                                          |
| NCBI GenBank Nucleotide #        | NM_183079.2                                                                          |
| Molecular Weight                 | 8,691 Da                                                                             |
| NCBI Official Full Name          | major prion protein preproprotein                                                    |
| NCBI Official Synonym Full Names | prion protein                                                                        |
| NCBI Official Symbol             | PRNP                                                                                 |
| NCBI Official Synonym Symbols    | CJD; GSS; PrP; ASCR; KURU; PRIP; PrPc; CD230; AltPrP; p27-30; PrP27-30; PrP33-35C    |
| NCBI Protein Information         | alternative prion protein; major prion protein; CD230 antigen; prion-related protein |
| UniProt Protein Name             | Major prion protein                                                                  |
| UniProt Gene Name                | PRNP                                                                                 |
| UniProt Synonym Gene Names       | ALTPRP; PRIP; PRP; PrP                                                               |
| UniProt Entry Name               | PRIO_HUMAN                                                                           |

**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/major-prion-protein-prnp/245842>