

Human Prion Protein (PRNP) ELISA Kit | PRNP elisa kit

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CATALOG #
AAA140545

REACTIVITY
Human

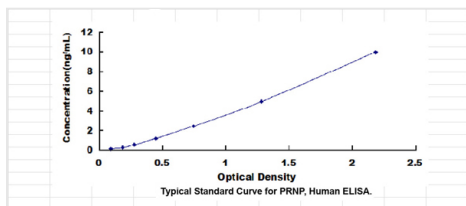
PRODUCT SYNONYMS

Prion Protein (PRNP); Human Prion Protein (PRNP) ELISA Kit; 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	Human
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.
Sequence Length	253
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.059ng/mL
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	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	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. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PRNP in human tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for PRNP elisa kit	Signal transduction; CD & Adhesion molecule; Infection immunity; Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	18490397
NCBI GeneID	5621
Molecular Weight	8,691 Da
NCBI Official Full Name	Prion protein
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
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/human-elisa-kits/prion-protein-prnp/140545>