

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

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CATALOG #
AAA277755

REACTIVITY
Cattle

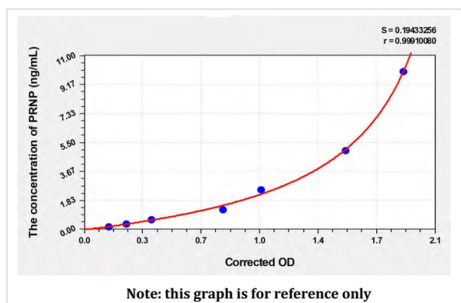
PRODUCT SYNONYMS

PRNP (Prion Protein); Cattle PRNP (Prion Protein) 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	Cattle
Specificity	This assay has high sensitivity and excellent specificity for detection of Cattle PRNP. No significant cross-reactivity or interference between Cattle PRNP and analogues was observed.
Assay Type	Sandwich
Detection Range	0.16-10 ng/mL
Sensitivity	0.058 ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay)? CV% < 8%. Three samples of known concentration were tested twenty times on 1 plate to assess intra-assay precision.
Inter-assay Precision	Inter-assay Precision (precision between assays)? CV% < 10%. Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PRNP elisa kit

Principle of the Assay: The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Cattle PRNP. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Cattle 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 Cattle 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 Cattle PRNP in the samples is then determined by comparing the OD of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	41386735
NCBI GeneID	281427
NCBI Accession #	NP_851358.1
NCBI GenBank Nucleotide #	NM_181015.1
UniProt Accession #	P10279; Q01880; Q0VD57; Q5UJJ5; Q5UJM6; Q5UK69; Q5UK71; Q6UL03; Q6UL04; Q6UL05; Q6UL06; A1YVV9; Q0R5B6; Q2LDZ4; Q6EIP8; Q6EIP9; Q6EIQ0; Q6EIQ1; Q6EIQ2; Q6EIQ3; Q6EIQ4
Molecular Weight	MW: 24.7 kD
NCBI Official Full Name	major prion protein
NCBI Official Symbol	PRNP
NCBI Official Synonym Symbols	PrP; MGC140197
NCBI Protein Information	major prion protein; prion protein PrP; prion protein precursor PrP; major scrapie-associated fibril protein 1; prion protein (p27-30) (Creutzfeldt-Jakob disease, Gerstmann-Strausler-Scheinker syndrome, fatal familial insomnia)
UniProt Protein Name	Major prion protein
UniProt Gene Name	PRNP
UniProt Synonym Gene Names	PRP
UniProt Entry Name	PRIO_BOVIN

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/cat-cattle-elisa-kits/prnp-prion-protein/277755>