

Bovine prion protein ELISA Kit | PRNP elisa kit

Bovine Major prion protein, PRNP ELISA Kit

CATALOG #
AAA18211

REACTIVITY
Bovine

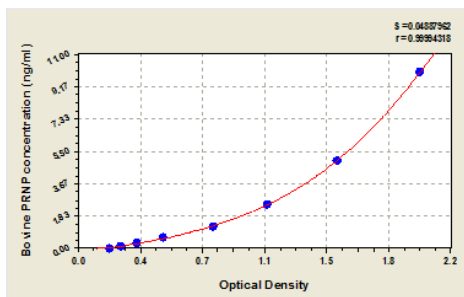
PRODUCT SYNONYMS

prion protein; Bovine Major prion protein; PRNP ELISA Kit; Bovine Major prion protein (PRNP) ELISA kit; ASCR; CD230; CJD; GSS; MGC26679; PRIP; PrP; PrP27-30; PrP33-35C; PrPc; prion; CD230 antigen; major prion protein; p27-30; prion protein PrP; prion-related protein; PRNP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of bovine PRNP. No significant cross-reactivity or interference between bovine PRNP and analogues was observed.
Sequence Length	264
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, cell lysates, tissue homogenates
Detection Range	0.01 ng/ml-10 ng/ml
Sensitivity	< 0.01 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PRNP elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for PRNP has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PRNP present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PRNP is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PRNP bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	410110920
NCBI GeneID	281427
NCBI Accession #	NP_001258555.1
NCBI GenBank Nucleotide #	NM_001271626.1
UniProt Accession #	P10279; Q01880; Q0VD57; Q5UJJ5; Q5UJM6; Q5UK69; Q5UK71; Q6UL03; Q6UL04; Q6UL05; Q6UL06; A1YVV9; F7VJQ2
Molecular Weight	28,614 Da
NCBI Official Full Name	major prion protein preproprotein
NCBI Official Synonym Full Names	prion protein<
NCBI Official Symbol	PRNP
NCBI Official Synonym Symbols	PrP; AltPrP
NCBI Protein Information	alternative prion protein; major prion protein; prion protein PrP; prion protein variant a; prion protein variant b; 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; 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/prnp-bovine-ovine-elisa-kits/prion-protein/18211>