

Mouse Major prion protein (PRNP) ELISA Kit | PRNP elisa kit

Mouse Major prion protein (PRNP) ELISA Kit

CATALOG #
AAA245970

REACTIVITY
Mouse

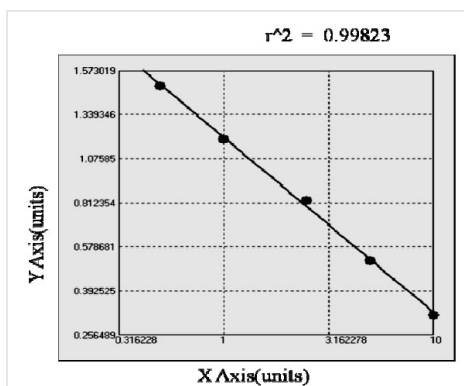
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This PRNP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse PRNP. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PRNP elisa kit

Principle of the assay: PRNP ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal 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.

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.