

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

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CATALOG #
AAA331319

REACTIVITY
Human

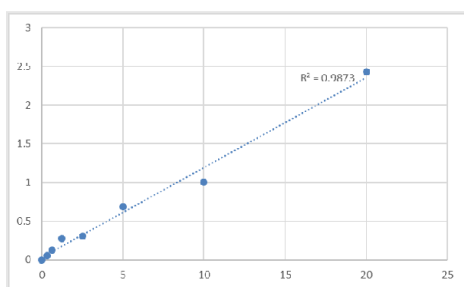
PRODUCT SYNONYMS

Major Prion Protein (PRNP); Human Major Prion Protein (PRNP) ELISA Kit; PRNP; 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	Human
Specificity	Human Major prion protein (PRNP) ELISA Kit has high sensitivity and excellent specificity for detection of Human PRNP. No significant cross-reactivity or interference between Human PRNP and analogues was observed.
Sequence Length	253
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Major prion protein (PRNP) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PRNP elisa kit	Description: This Human Major prion protein (PRNP) ELISA Kit employs a two-site sandwich ELISA to quantitate PRNP in samples. An 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, Streptavidin 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. Background: PRNP is a gene that codes for a protein called the prion protein (PrP), which is expressed in the brain and several other tissues. The human PRNP gene is located on the short (p) arm of chromosome 20 between the end (terminus) of the arm and position 12, from base pair 4,615,068 to base pair 4,630,233. PRNP has also recently been designated CD230 (cluster of differentiation 230). Although the precise function of PrP is not yet known, it is possibly involved in the transport of ionic copper to cells from the surrounding environment. Researchers have also proposed roles for PrP in cell signaling or in the formation of gaps between nerve cells (synapses) where cell-to-cell communication occurs.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4506113
NCBI GeneID	5621
NCBI Accession #	NP_000302.1
NCBI GenBank Nucleotide #	NP_000302.1
UniProt Accession #	P04156; F7VJQ1
NCBI Official Full Name	major prion protein preproprotein Prp
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	major prion protein; alternative prion protein
UniProt Protein Name	Major prion protein
UniProt Gene Name	PRNP
UniProt Synonym Gene Names	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.