

Rat Proteolipid protein ELISA Kit | PLP elisa kit

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CATALOG #
AAA83091

REACTIVITY
Rat

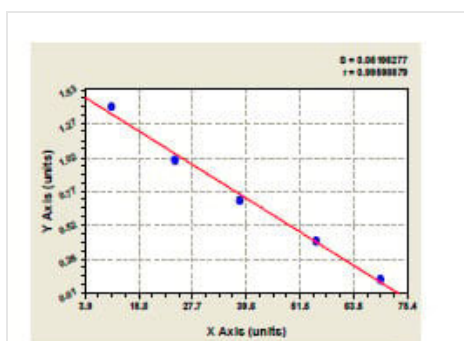
PRODUCT SYNONYMS

Proteolipid protein; Rat Proteolipid protein ELISA Kit; PLP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PLP elisa kit

Intended Uses: This PLP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat PLP.

Principle of the Assay: PLP ELISA kit applies the competitive enzyme immunoassay technique utilizing a Polyclonal anti-PLP antibody and an PLP-HRP conjugate. The assay sample and buffer are incubated together with PLP-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 PLP concentration since PLP from samples and PLP-HRP conjugate compete for the anti-PLP antibody binding site. Since the number of sites is limited, as more sites are occupied by PLP from the sample, fewer sites are left to bind PLP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PLP concentration in each sample is interpolated from this standard curve.

Product Categories/Family for PLP elisa kit

Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	385446
NCBI Official Full Name	PLP

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/plp-rat-elisa-kits/roteolipid-protein/83091>