

Rat Proteolipid Protein 1, Myelin ELISA Kit | PLP1 elisa kit

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CATALOG #
AAA87442

REACTIVITY
Rat

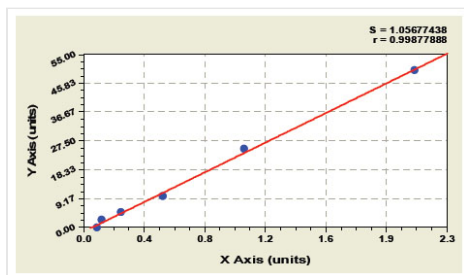
PRODUCT SYNONYMS

Proteolipid Protein 1; Myelin; Rat Proteolipid Protein 1; Myelin ELISA Kit; PLP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	2.5-50ng/mL
Sensitivity	0.1ng/ml
Intended Uses	This PLP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat PLP. 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 PLP1 elisa kit

Principle of the assay: PLP ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for PLP. Standards or samples are then added to the microtiter plate wells and PLP if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of PLP present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for PLP are added to each well to "sandwich" the PLP immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain PLP and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. 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 PLP1 elisa kit

Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	49168568
NCBI GeneID	5354
UniProt Accession #	P60201; P04400; P06905; Q502Y1; Q6FHZ6
Molecular Weight	26,274 Da
NCBI Official Full Name	PLP1
NCBI Official Synonym Full Names	proteolipid protein 1
NCBI Official Symbol	PLP1
NCBI Official Synonym Symbols	PLP; PMD; HLD1; MMPL; SPG2; GPM6C; PLP/DM20
NCBI Protein Information	myelin proteolipid protein; lipophilin; major myelin proteolipid protein
UniProt Protein Name	Myelin proteolipid protein
UniProt Gene Name	PLP1
UniProt Synonym Gene Names	PLP; PLP
UniProt Entry Name	MYPR_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.

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Online datasheet: <https://stage.aaabiotech.com/plp1-rat-elisa-kits/proteolipid-protein-1-myelin/87442>