

Mouse Myelin proteolipid protein (PLP1) ELISA Kit | PLP1 elisa kit

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CATALOG #
AAA245598

REACTIVITY
Mouse

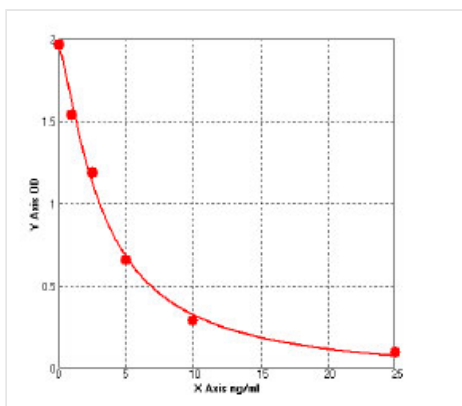
PRODUCT SYNONYMS

Myelin proteolipid protein (PLP1); Mouse Myelin proteolipid protein (PLP1) ELISA Kit; PLP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of PLP1. No significant cross-reactivity or interference between PLP1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PLP1 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
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 PLP1 elisa kit	Principle of the Assay: PLP1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-PLP1 antibody and an PLP1-HRP conjugate. The assay sample and buffer are incubated together with PLP1-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 PLP1 concentration since PLP1 from samples and PLP1-HRP conjugate compete for the anti-PLP1 antibody binding site. Since the number of sites is limited, as more sites are occupied by PLP1 from the sample, fewer sites are left to bind PLP1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PLP1 concentration in each sample is interpolated from this standard curve. Intended Uses: This PLP1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse PLP1. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for PLP1 elisa kit	Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	192449447
NCBI GeneID	5354
NCBI Accession #	NP_001122306.1
NCBI GenBank Nucleotide #	NM_001128834.1
Molecular Weight	26,274 Da
NCBI Official Full Name	myelin proteolipid protein isoform 1
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/mouse-elisa-kits/myelin-proteolipid-protein-plp1/245598>