

Human Proteolipid protein ELISA Kit | PLP elisa kit

Human Proteolipid protein (PLP) ELISA Kit

CATALOG #
AAA55560

REACTIVITY
Human

PRODUCT SYNONYMS

Proteolipid protein; Human Proteolipid protein (PLP) ELISA Kit; PLP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human PLP. No significant cross-reactivity or interference between Human PLP and analogues was observed.
Sequence Length	274
Samples	Serum, Plasma, Other biological fluids
Assay Type	Sandwich
Sample Volume	1-200 uL
Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100 Intra-Assay: CV Inter-Assay: CV
Detection Wavelength	450 nm
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for PLP elisa kit	Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate PLP in samples. An antibody specific for PLP has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPLP present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PLP 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 PLP bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	41349499
NCBI GeneID	5354
NCBI Accession #	NP_000524.3
NCBI GenBank Nucleotide #	NM_000533.4
UniProt Accession #	P60201 ; P04400 ; P06905 ; Q502Y1 ; Q6FHZ6

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
UniProt Protein Name	Myelin proteolipid protein
UniProt Gene Name	PLP1
UniProt Synonym Gene Names	PLP; 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://www.aaabiotech.com/plp-human-elisa-kits/proteolipid-protein/55560>