

Human Anti-Proteolipid Protein 1, Myelin Antibody (Anti-PLP1) ELISA Kit | PLP1 elisa kit

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CATALOG #
AAA136109

REACTIVITY
Human

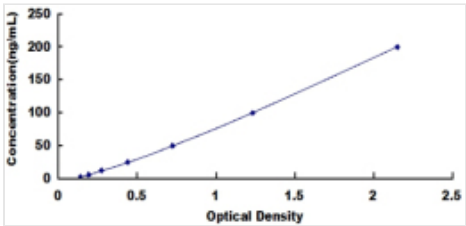
PRODUCT SYNONYMS

Anti-Proteolipid Protein 1; Myelin Antibody (Anti-PLP1); Human Anti-Proteolipid Protein 1; Myelin Antibody (Anti-PLP1) ELISA Kit; MMPL; PLP/DM20; PMD; SPG2; Pelizaeus-Merzbacher Disease; Spastic Paraplegia 2; Uncomplicated; Myelin proteolipid protein; Lipophilin; PLP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Anti-Proteolipid Protein 1, Myelin Antibody (Anti-PLP1). No significant cross-reactivity or interference between Anti-Proteolipid Protein 1, Myelin Antibody (Anti-PLP1) and analogues was observed.
Sequence Length	242
Assay Type	Competitive Inhibition
Samples	Serum, Plasma and other biological fluids
Detection Range	3.12-200ng/mL
Sensitivity	1.14ng/mL
Application	Enzyme-linked immunosorbent assay for Antibody Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Anti-Proteolipid Protein 1, Myelin Antibody (Anti-PLP1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Anti-Proteolipid Protein 1, Myelin Antibody (Anti-PLP1) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PLP1 elisa kit	The microtiter plate provided in this kit has been pre-coated with an antigen. Standards or samples are then added to the appropriate microtiter plate wells with a Horseradish Peroxidase (HRP)-conjugated secondary antibody. After TMB substrate solution is added, those wells that contain Anti-Proteolipid Protein 1, Myelin Antibody (Anti-PLP1) will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of Anti-Proteolipid Protein 1, Myelin Antibody (Anti-PLP1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for PLP1 elisa kit	Neuroscience

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
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.