

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

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CATALOG #
AAA88659

REACTIVITY
Bovine

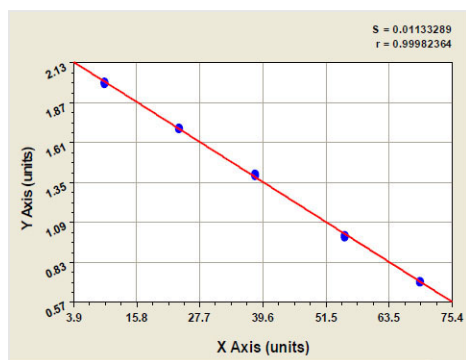
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ng/mL.
Intended Uses	This PLP1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine PLP1. 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: PLP1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal 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.

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-bovine-ovine-elisa-kits/proteolipid-protein-1-myelin/88659>