

Human Myelin Protein P0 (MPZ) ELISA Kit | MPZ elisa kit

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CATALOG #
AAA331705

REACTIVITY
Human

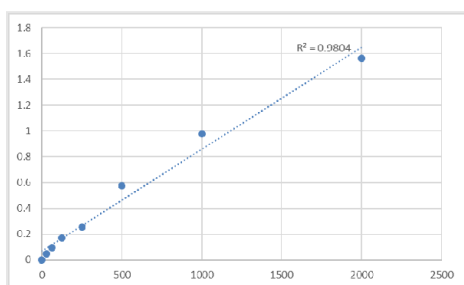
PRODUCT SYNONYMS

Myelin Protein P0 (MPZ); Human Myelin Protein P0 (MPZ) ELISA Kit; MPZ; CHM; CMT1; CMT1B; CMT2I; CMT2J; CMT4E; CMTDI3; DSS; HMSNIB; MPP; P0; Charcot-Marie-Tooth neuropathy 1B; MPZ elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Myelin protein P0 (MPZ) ELISA Kit has high sensitivity and excellent specificity for detection of Human MPZ. No significant cross-reactivity or interference between Human MPZ and analogues was observed.
Sequence Length	248
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Myelin protein P0 (MPZ) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MPZ elisa kit	Description: This Human Myelin protein P0 (MPZ) ELISA Kit employs a two-site sandwich ELISA to quantitate MPZ in samples. An antibody specific for MPZ has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MPZ present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MPZ 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 MPZ bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Myelin protein zero contains a large hydrophobic extracellular domain and a smaller basic intracellular domain, which are essential for the formation and stabilization of the multilamellar structure of the compact myelin. Mutations in MPZ are associated with autosomal dominant form of Charcot-Marie-Tooth disease type 1 (CMT1B) and other polyneuropathies, such as Dejerine-Sottas syndrome (DSS) and congenital hypomyelinating neuropathy (CHN). A recent study showed that two isoforms are produced from the same mRNA by use of alternative in-frame translation termination codons via a stop codon readthrough mechanism.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	295391071
NCBI GeneID	4359
NCBI Accession #	NP_000521.2
NCBI GenBank Nucleotide #	NP_000521.2
UniProt Accession #	P25189
NCBI Official Full Name	myelin protein P0 isoform MPZ
NCBI Official Synonym Full Names	myelin protein zero
NCBI Official Symbol	MPZ
NCBI Official Synonym Symbols	P0; CHM; DSS; MPP; CHN2; CMT1; CMT1B; CMT2I; CMT2J; CMT4E; CMTDI3; CMTDID; HMSNIB
NCBI Protein Information	myelin protein P0
UniProt Protein Name	Myelin protein P0
UniProt Gene Name	MPZ
UniProt Synonym Gene Names	MPP
UniProt Entry Name	MYP0_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.