

Human Myelin Protein Zero-Like Protein 1 (MPZL1) ELISA Kit | MPZL1 elisa kit

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CATALOG #
AAA331704

REACTIVITY
Human

PRODUCT SYNONYMS

Myelin Protein Zero-Like Protein 1 (MPZL1); Human Myelin Protein Zero-Like Protein 1 (MPZL1) ELISA Kit; MPZL1; FLJ21047; MPZL1b; PZR; PZR1b; PZRa; PZRb; immunoglobulin family transmembrane protein; protein zero related; MPZL1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Myelin protein zero-like protein 1 (MPZL1) ELISA Kit has high sensitivity and excellent specificity for detection of Human MPZL1. No significant cross-reactivity or interference between Human MPZL1 and analogues was observed.
Sequence Length	119
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 zero-like protein 1 (MPZL1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MPZL1 elisa kit	Description: This Human Myelin protein zero-like protein 1 (MPZL1) ELISA Kit employs a two-site sandwich ELISA to quantitate MPZL1 in samples. An antibody specific for MPZL1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MPZL1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MPZL1 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 MPZL1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: MPZL1 (Myelin Protein Zero Like 1) is a Protein Coding gene. Diseases associated with MPZL1 include Noonan Syndrome 1. Among its related pathways are Adhesion and Tyrosine Kinases/ Adaptors. GO annotations related to this gene include structural molecule activity. An important paralog of this gene is MPZ. Cell surface receptor, which is involved in signal transduction processes. Recruits PTPN11/SHP-2 to the cell membrane and is a putative substrate of PTPN11/SHP-2. Is a major receptor for concanavalin-A (ConA) and is involved in cellular signaling induced by ConA, which probably includes Src family tyrosine-protein kinases. Isoform 3 seems to have a dominant negative role; it blocks tyrosine phosphorylation of MPZL1 induced by ConA. Isoform 1, but not isoform 2 and isoform 3, may be involved in regulation of integrin-mediated cell motility.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	226054871
NCBI GeneID	9019
NCBI Accession #	NP_001139663.1
NCBI GenBank Nucleotide #	NP_001139663.1
UniProt Accession #	O95297
NCBI Official Full Name	myelin protein zero-like protein 1 isoform c
NCBI Official Synonym Full Names	myelin protein zero like 1
NCBI Official Symbol	MPZL1
NCBI Official Synonym Symbols	PZR; PZRa; PZRb; PZR1b; MPZL1b
NCBI Protein Information	myelin protein zero-like protein 1
UniProt Protein Name	Myelin protein zero-like protein 1
UniProt Gene Name	MPZL1
UniProt Synonym Gene Names	PZR
UniProt Entry Name	MPZL1_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.