

Rat Peripheral Myelin Protein 22 (PMP22) ELISA Kit | PMP22 elisa kit

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CATALOG #
AAA185904

REACTIVITY
Rat

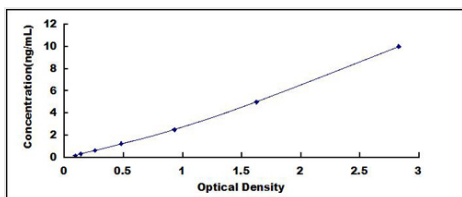
PRODUCT SYNONYMS

Peripheral Myelin Protein 22 (PMP22); Rat Peripheral Myelin Protein 22 (PMP22) ELISA Kit; DSS; CMT1A; CMT1E; GAS3; HMSNIA; HNPP; Sp110; Growth arrest-specific protein 3; PMP22 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Peripheral Myelin Protein 22 (PMP22). No significant cross-reactivity or interference between Peripheral Myelin Protein 22 (PMP22) and analogues was observed.
Sequence Length	160
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates and Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.059ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Peripheral Myelin Protein 22 (PMP22) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Peripheral Myelin Protein 22 (PMP22) 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 PMP22 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Peripheral Myelin Protein 22 (PMP22). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Peripheral Myelin Protein 22 (PMP22). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Peripheral Myelin Protein 22 (PMP22), biotin-conjugated antibody and enzyme-conjugated Avidin 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 Peripheral Myelin Protein 22 (PMP22) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4505907
NCBI GeneID	5376
NCBI Accession #	NP_000295.1
NCBI GenBank Nucleotide #	NM_000304.3
UniProt Accession #	Q01453; Q8WV01
Molecular Weight	17,891 Da
NCBI Official Full Name	peripheral myelin protein 22 isoform 1
NCBI Official Synonym Full Names	peripheral myelin protein 22
NCBI Official Symbol	PMP22
NCBI Official Synonym Symbols	DSS; CIDP; GAS3; HNPP; CMT1A; CMT1E; GAS-3; Sp110; HMSNIA
NCBI Protein Information	peripheral myelin protein 22
UniProt Protein Name	Peripheral myelin protein 22
UniProt Gene Name	PMP22
UniProt Synonym Gene Names	GAS3; PMP-22; GAS-3

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.