

Mouse Peripherin (PRPH) ELISA Kit | PRPH elisa kit

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CATALOG #
AAA63471

REACTIVITY
Mouse

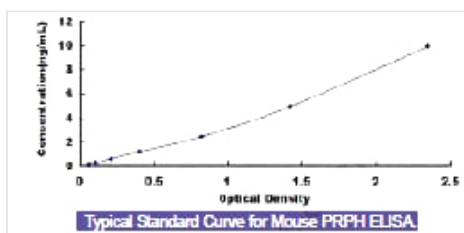
PRODUCT SYNONYMS

Peripherin (PRPH); Mouse Peripherin (PRPH) ELISA Kit; NEF4; Neurofilament 4; PRPH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of PRPH. No significant cross-reactivity or interference between PRPH and analogues was observed.
Sequence Length	346
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.048ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PRPH were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level PRPH were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PRPH elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PRPH in mouse tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PRPH. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PRPH. 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 PRPH, 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 PRPH 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 #	7110699
NCBI GeneID	19133
NCBI Accession #	NP_032964.1
NCBI GenBank Nucleotide #	NM_008938.1
UniProt Accession #	P15499
Molecular Weight	39,260 Da
NCBI Official Full Name	peripherin-2
NCBI Official Synonym Full Names	peripherin 2
NCBI Official Symbol	Prph2
NCBI Official Synonym Symbols	RP7; Rd2; Rds; rds; AVMD; PRPH; Rd-2; AOFMD; Nmf193; Tspan22
NCBI Protein Information	peripherin-2
UniProt Protein Name	Peripherin-2
UniProt Gene Name	Prph2
UniProt Synonym Gene Names	Rds

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.