

Human Peripherin (PRPH) ELISA Kit | PRPH elisa kit

Human Peripherin (PRPH) ELISA Kit

CATALOG #
AAA68661

REACTIVITY
Human

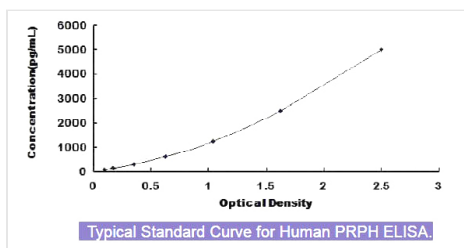
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
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	470
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates or other biological fluids
Detection Range	78.1-5000pg/mL
Sensitivity	< 32.7pg/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%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PRPH elisa kit

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 $\pm$ 10nm. The concentration of PRPH in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of PRPH in human tissue homogenates, cell lysates or other biological fluids.

NCBI AND UNIPROT INFORMATION

NCBI GI #	21264345
NCBI GeneID	5630
NCBI Accession #	NP_006253.2
NCBI GenBank Nucleotide #	NM_006262.3
UniProt Accession #	P41219; Q8N577
Molecular Weight	53,779 Da
NCBI Official Full Name	peripherin
NCBI Official Synonym Full Names	peripherin
NCBI Official Symbol	PRPH
NCBI Official Synonym Symbols	NEF4; PRPH1
NCBI Protein Information	peripherin
UniProt Protein Name	Peripherin
UniProt Gene Name	PRPH
UniProt Synonym Gene Names	NEF4; PRPH1

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/peripherin-prph/68661>