

Human Peripherin (PRPH) ELISA Kit | PRPH elisa kit

Human Peripherin (PRPH) ELISA Kit

CATALOG #
AAA331298

REACTIVITY
Human

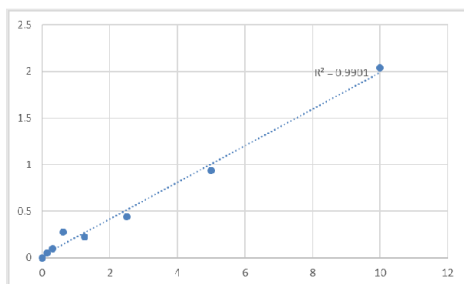
PRODUCT SYNONYMS

Peripherin (PRPH); Human Peripherin (PRPH) ELISA Kit; PRPH; NEF4; PRPH1; neurofilament 4 (57kD); PRPH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Peripherin (PRPH) ELISA Kit has high sensitivity and excellent specificity for detection of Human PRPH. No significant cross-reactivity or interference between Human PRPH and analogues was observed.
Sequence Length	470
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 Peripherin (PRPH) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PRPH elisa kit	Description: This Human Peripherin (PRPH) ELISA Kit employs a two-site sandwich ELISA to quantitate PRPH in samples. An antibody specific for PRPH has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PRPH present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PRPH 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 PRPH bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Peripherin, a type III intermediate filament protein, was initially described by Portier et al. (1984) as a cytoskeletal protein present in neurons of the mammalian peripheral nervous system (hence, the name) and in cultured neuroblastoma cells. The amino-terminal region contained potential serine phosphorylation sites. Northern blot analysis detected a corresponding mRNA in ganglia of the peripheral nervous system, including the superior cervical ganglion, ciliary ganglion, and dorsal root ganglion. In the central nervous system, expression was detected in motor nuclei of cranial nerves and ventral horn neurons. Expression was induced by nerve growth factor.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	21264345
NCBI GeneID	5630
NCBI Accession #	NP_006253.2
NCBI GenBank Nucleotide #	NP_006253.2
UniProt Accession #	P41219
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
UniProt Entry Name	PERI_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.