

Mouse Peripherin (PRPH) ELISA Kit

Catalog No: #EK11405



Package Size: #EK11405-1 48T #EK11405-2 96T

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Description

Product Name	Mouse Peripherin (PRPH) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (<i>Mus musculus</i>)
Other Names	NEF4; PRPH1; neurofilament 4 (57kD)
Accession No.	P15331
Uniprot	P15331
Storage	<p>The stability of ELISA 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.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

Application Details

Detect Range:Request Information

Sensitivity:Request Information

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay 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 anyPRPH 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.**Product Overview:**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.

Note: This product is for in vitro research use only