

Mouse Periaxin (PRX) ELISA Kit

Catalog No: #EK8069



Package Size: #EK8069-1 48T #EK8069-2 96T

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Description

Product Name	Mouse Periaxin (PRX) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	CMT4F; KIAA1620;
Accession No.	O55103
Uniprot	O55103
GeneID	19153;
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 PRX in samples. An antibody specific for PRX has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPRX present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PRX 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 PRX bound in the initial step. The color development is stopped and the intensity of the color is measured.

Product Overview:Periaxin is a protein involved in peripheral nerve myelin upkeep. The encoded protein contains 2 PDZ domains which were named after PSD95 (post synaptic density protein), DlgA (Drosophila disc large tumor suppressor), and ZO1 (a mammalian tight junction protein). Two alternatively spliced transcript variants have been described for this gene which encode different protein isoforms and which are targeted differently in the Schwann cell. Mutations in this gene cause Charcot-Marie-Tooth neuropathy, type 4F and Dejerine-Sottas neuropathy. The PDZ domain, which consists of a nearly 90-amino acid protein-binding motif that interacts with the C termini of plasma membrane proteins and with the cortical cytoskeleton, has been implicated in the assembly of signaling complexes at sites of cell-cell contact.

Note: This product is for in vitro research use only