

Human Periaxin (PRX) ELISA Kit | PRX elisa kit

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CATALOG #
AAA331277

REACTIVITY
Human

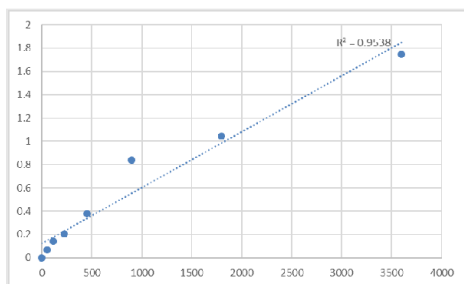
PRODUCT SYNONYMS

Periaxin (PRX); Human Periaxin (PRX) ELISA Kit; PRX; CMT4F; KIAA1620; PRX elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Periaxin (PRX) ELISA Kit has high sensitivity and excellent specificity for detection of Human PRX. No significant cross-reactivity or interference between Human PRX and analogues was observed.
Sequence Length	147
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 Periaxin (PRX) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PRX elisa kit	Description: This Human Periaxin (PRX) ELISA Kit 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 any PRX 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. Background: 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13491172
NCBI GeneID	57716
NCBI Accession #	NP_066007.1
NCBI GenBank Nucleotide #	NP_066007.1
UniProt Accession #	Q9BXM0
NCBI Official Full Name	periaxin isoform 1
NCBI Official Synonym Full Names	periaxin
NCBI Official Symbol	PRX
NCBI Official Synonym Symbols	CMT4F
NCBI Protein Information	periaxin
UniProt Protein Name	Periaxin
UniProt Gene Name	PRX
UniProt Synonym Gene Names	KIAA1620
UniProt Entry Name	PRAX_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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/periaxin-prx/331277>