

Human Period Circadian Protein Homolog 1 (PER1) ELISA Kit | PER1 elisa kit

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CATALOG #
AAA331420

REACTIVITY
Human

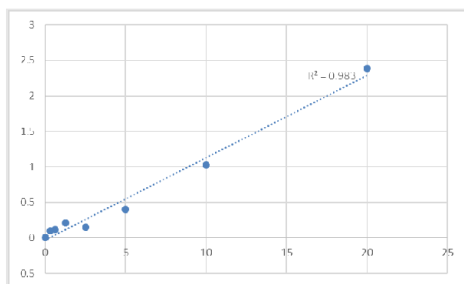
PRODUCT SYNONYMS

Period Circadian Protein Homolog 1 (PER1); Human Period Circadian Protein Homolog 1 (PER1) ELISA Kit; PER1; MGC88021; PER; RIGUI; hPER; Period; drosophila; homolog of; circadian pacemaker protein RIGUI; period 1; PER1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Period circadian protein homolog 1 (PER1) ELISA Kit has high sensitivity and excellent specificity for detection of Human PER1. No significant cross-reactivity or interference between Human PER1 and analogues was observed.
Sequence Length	1290
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 Period circadian protein homolog 1 (PER1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PER1 elisa kit	Description: This Human Period circadian protein homolog 1 (PER1) ELISA Kit employs a two-site sandwich ELISA to quantitate PER1 in samples. An antibody specific for PER1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PER1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PER1 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 PER1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: PER1 is a member of the Period family of genes and is expressed in a circadian pattern in the suprachiasmatic nucleus, the primary circadian pacemaker in the mammalian brain. Genes in this family encode components of the circadian rhythms of locomotor activity, metabolism, and behavior. Circadian expression in the suprachiasmatic nucleus continues in constant darkness, and a shift in the light/dark cycle evokes a proportional shift of gene expression in the suprachiasmatic nucleus. The specific function of this gene is not yet known. Alternative splicing has been observed in this gene; however, these variants have not been fully described. Widely expressed. Found in heart, brain, placenta, lung, liver, skeletal muscle, pancreas, kidney, spleen, thymus, prostate, testis, ovary and small intestine. Highest level in skeletal muscle.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	218511752
NCBI GeneID	5187
UniProt Accession #	O15534
NCBI Official Full Name	Period circadian protein homolog 1
NCBI Official Synonym Full Names	period circadian regulator 1
NCBI Official Symbol	PER1
NCBI Official Synonym Symbols	PER; hPER; RIGUI
NCBI Protein Information	period circadian protein homolog 1
UniProt Protein Name	Period circadian protein homolog 1
UniProt Gene Name	PER1
UniProt Synonym Gene Names	KIAA0482; PER; RIGUI; hPER1
UniProt Entry Name	PER1_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/period-circadian-protein-homolog-1-per1/331420>