

Human Period Circadian Protein 3 ELISA Kit | PER3 elisa kit

Human Period Circadian Protein 3 (PER3) (Sandwich ELISA) ELISA Kit

CATALOG #
AAA190002

REACTIVITY
Human

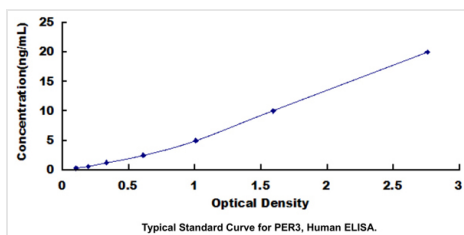
PRODUCT SYNONYMS

Period Circadian Protein 3; Human Period Circadian Protein 3 (PER3) (Sandwich ELISA) ELISA Kit; GIG13; Cell growth-inhibiting gene 13 protein; Circadian clock protein PERIOD 3; ELISA Kit for Period Circadian Protein 3 (PER3); PER3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PER3. No significant cross-reactivity or interference between PER3 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.115ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PER3 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level PER3 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	4 degree C for 1 month/ -20 degree C for long-term(within shelf life). Shelf life is one year

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PER3 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to PER3. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to PER3. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain PER3, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of PER3 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PER3 in human tissue homogenates, cell lysates and other biological fluids.
Product Categories/Family for PER3 elisa kit	Neuro science

NCBI AND UNIPROT INFORMATION

NCBI GI #	317373535
NCBI GeneID	8863
UniProt Accession #	P56645; Q5H8X4; Q5H8X5; Q969K6; Q96S77; Q96S78; Q9C0J3; Q9NSP9; Q9UGU8
Molecular Weight	1201
NCBI Official Full Name	Period circadian protein homolog 3
NCBI Official Synonym Full Names	period circadian clock 3
NCBI Official Symbol	PER3
NCBI Official Synonym Symbols	GIG13
NCBI Protein Information	period circadian protein homolog 3; hPER3; period 3; period homolog 3; period circadian protein 3; growth-inhibiting protein 13; circadian clock protein PERIOD 3; cell growth-inhibiting gene 13 protein
UniProt Protein Name	Period circadian protein homolog 3
UniProt Gene Name	PER3
UniProt Synonym Gene Names	hPER3
UniProt Entry Name	PER3_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/per3-human-elisa-kits/period-circadian-protein-3/190002>