

Human Period Circadian Protein 2 (PER2) ELISA Kit | PER2 elisa kit

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CATALOG #
AAA219770

REACTIVITY
Human

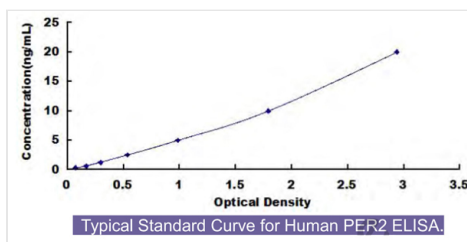
PRODUCT SYNONYMS

Period Circadian Protein 2 (PER2); Human Period Circadian Protein 2 (PER2) ELISA Kit; FASPS; Circadian clock protein PERIOD 2; PER2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PER2. No significant cross-reactivity or interference between PER2 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates or other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.125ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PER2 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 PER2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Shelf Life: 12 months

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PER2 elisa kit

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PER2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PER2. 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 PER2, 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 PER2 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 the in vitro quantitative measurement of PER2 in human tissue homogenates or other biological fluids.

NCBI AND UNIPROT INFORMATION

NCBI GI #	12707562
NCBI GeneID	8864
NCBI Accession #	NP_073728.1
NCBI GenBank Nucleotide #	NM_022817.2
UniProt Accession #	O15055; Q4ZG49; Q9UQ45; A2I2P7
Molecular Weight	136,579 Da
NCBI Official Full Name	period circadian protein homolog 2
NCBI Official Synonym Full Names	period circadian clock 2
NCBI Official Symbol	PER2
NCBI Official Synonym Symbols	FASPS; FASPS1
NCBI Protein Information	period circadian protein homolog 2; hPER2; period 2; period homolog 2; period circadian protein 2; circadian clock protein PERIOD 2
UniProt Protein Name	Period circadian protein homolog 2
UniProt Gene Name	PER2
UniProt Synonym Gene Names	KIAA0347; hPER2
UniProt Entry Name	PER2_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-2-per2/219770>