

Human PHF20 (PHD finger protein 20) ELISA Kit | PHF20 elisa kit

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CATALOG #
AAA248780

REACTIVITY
Human

PRODUCT SYNONYMS

PHF20 (PHD finger protein 20); Human PHF20 (PHD finger protein 20) ELISA Kit; PHF20 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PHF20. No significant cross-reactivity or interference between PHF20 and analogues was observed.
Sequence Length	1012
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	31.25-2000pg/ml
Sensitivity	18.75pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PHF20 were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level PHF20 were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard operation of a PHF20 ELISA Kit are listed below. This standard curve was generated at our lab for demonstration purpose only. Users shall obtain standard curve as per experiment by themselves. (N/A not applicable)

X	pg/ml	0	31.25	62.5	125	250	500	1000	2000
Y	OD450	0.069	0.104	0.141	0.209	0.357	0.636	1.215	1.887

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PHF20 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-PHF20 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-PHF20 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the PHF20 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of PHF20 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	18034775
NCBI GeneID	51230
NCBI Accession #	NP_057520.2
NCBI GenBank Nucleotide #	NM_016436.4
UniProt Accession #	Q9BVI0; Q566Q2; Q5JWY9; Q66K49; Q9BWV4; Q9BXA3; Q9BZW3; Q9H421; Q9H4J6; A7E235; B2RB56; E1P5S3
Molecular Weight	31,856 Da
NCBI Official Full Name	PHD finger protein 20
NCBI Official Synonym Full Names	PHD finger protein 20
NCBI Official Symbol	PHF20
NCBI Official Synonym Symbols	NZF; TZP; GLEA2; HCA58; TDRD20A; C20orf104
NCBI Protein Information	PHD finger protein 20
UniProt Protein Name	PHD finger protein 20
UniProt Gene Name	PHF20
UniProt Synonym Gene Names	C20orf104; GLEA2; HCA58; NZF; TZP

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/phf20-phd-finger-protein-20/248780>