

Human DNA-(apurinic or apyrimidinic site) lyase ELISA Kit | APEX1 elisa kit

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CATALOG #
AAA100344

REACTIVITY
Human

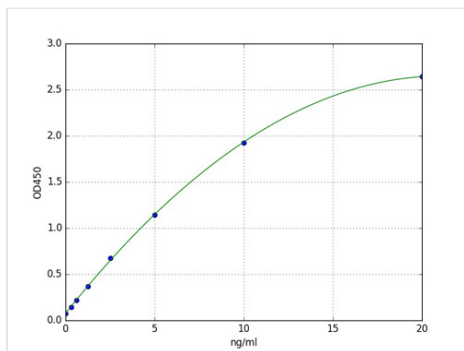
PRODUCT SYNONYMS

DNA-(apurinic or apyrimidinic site) lyase; Human DNA-(apurinic or apyrimidinic site) lyase ELISA Kit; APEX1/DNA- (apurinic or apyrimidinic site) lyase/Redox factor-1/REF-1/APEX nuclease/APEN/Apurinic-apyrimidinic endonuclease 1/AP endonuclease 1/APE-1/APE1/APEX/APX/HAP1/REF1/APE/Apurinic/Apyrimidinic Endonuclease/multifunctional DNA repair enzyme; APEX1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	318
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
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



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Human APEN ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.313	0.625	1.25	2.5	5	10	20
Y	OD450	0.023	0.090	0.166	0.268	0.514	0.913	1.304	2.035

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for APEX1 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human APEN antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human APEN antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash 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 Human APEN amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human APEN can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	113984
NCBI GeneID	328
Molecular Weight	35,555 Da
NCBI Official Full Name	DNA-(apurinic or apyrimidinic site) lyase
NCBI Official Synonym Full Names	APEX nuclease (multifunctional DNA repair enzyme) 1
NCBI Official Symbol	APEX1
NCBI Official Synonym Symbols	APE; APX; APE1; APEN; APEX; HAP1; REF1
NCBI Protein Information	DNA-(apurinic or apyrimidinic site) lyase
UniProt Protein Name	DNA-(apurinic or apyrimidinic site) lyase
UniProt Gene Name	APEX1
UniProt Synonym Gene Names	APE; APE1; APEX; APX; HAP1; REF1; APEN; AP endonuclease 1; APE-1
UniProt Entry Name	APEX1_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/apex1-human-elisa-kits/dna-apurinic-or-apyrimidinic-site-lyase/100344>