

Human Nei Endonuclease VIII Like Protein 3 (NEIL3) ELISA Kit | NEIL3 elisa kit

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CATALOG #
AAA68615

REACTIVITY
Human

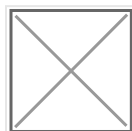
PRODUCT SYNONYMS

Nei Endonuclease VIII Like Protein 3 (NEIL3); Human Nei Endonuclease VIII Like Protein 3 (NEIL3) ELISA Kit; FPG2; hFPG2; hNEI3; Endonuclease 8-like 3; DNA glycosylase FPG2; DNA glycosylase/AP lyase Neil3; Nei-like protein 3; NEIL3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of NEIL3. No significant cross-reactivity or interference between NEIL3 and analogues was observed.
Sequence Length	605
Samples	tissue homogenates, cell lysates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	78.125-5000pg/mL
Sensitivity	<34.55pg/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level NEIL3 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 NEIL3 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NEIL3 elisa kit

Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of NEIL3 in human tissue homogenates, cell lysates or other biological fluids.

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to NEIL3. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to NEIL3. 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 NEIL3, 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 NEIL3 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	157388969
NCBI GeneID	55247
NCBI Accession #	NP_060718.2
NCBI GenBank Nucleotide #	NM_018248.2
UniProt Accession #	Q8TAT5; Q2PPJ3; Q8NG51; Q9NV95
Molecular Weight	67,769 Da
NCBI Official Full Name	endonuclease 8-like 3
NCBI Official Synonym Full Names	nei like DNA glycosylase 3
NCBI Official Symbol	NEIL3
NCBI Official Synonym Symbols	FGP2; FPG2; NEI3; ZGRF3; hFPG2; hNEI3
NCBI Protein Information	endonuclease 8-like 3
UniProt Protein Name	Endonuclease 8-like 3
UniProt Gene Name	NEIL3

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/nei-endonuclease-viii-like-protein-3-neil3/68615>