

Epigen (EPG) CLIA Kit | EPG clia kit

CLIA Kit for Epigen (EPG)

CATALOG #
AAA130172

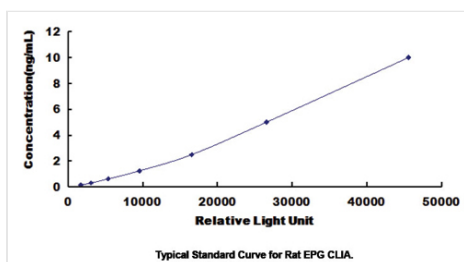
PRODUCT SYNONYMS

Epigen (EPG); CLIA Kit for Epigen (EPG); EPG clia kit

PRODUCT SPECIFICATIONS

Specificity	This assay has high sensitivity and excellent specificity for detection of Epigen (EPG) No significant cross-reactivity or interference between Epigen (EPG) and analogues was observed.
Sequence Length	154
Assay Type	Sandwich
Samples	Tissue homogenates and other biological fluids
Detection Range	0.014-10ng/mL The standard curve concentrations used for the ELISA's were 10ng/mL, 3.33ng/mL, 1.11ng/mL, 0.37ng/mL, 0.123ng/mL, 0.041ng/mL, 0.014ng/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.069ng/mL
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Epigen (EPG) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Epigen (EPG) were tested on 3 different plates, 8 replicates in each plate. $CV(\%) = SD/mean \times 100$ Intra-Assay: $CV < 10\%$ Inter-Assay: $CV < 12\%$
Organism Species	Rattus norvegicus (Rat)
Assay Length	4.5 hours
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for EPG clia kit	The microtiter plate provided in this kit has been pre-coated with an antigen. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated secondary antibody. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Epigen (EPG) level in the sample or standard.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	401782583
NCBI GeneID	255324
NCBI Accession #	NP_001257918.1
NCBI GenBank Nucleotide #	NM_001270989.1
UniProt Accession #	Q6UW88; A1BMM3; A1BMM4; A1BMM5; A1BMM6; A1BMM7; A1BMM8; A8K090
Molecular Weight	17,091 Da
NCBI Official Full Name	epigen isoform 1
NCBI Official Synonym Full Names	epithelial mitogen
NCBI Official Symbol	EPGN
NCBI Official Synonym Symbols	EPG; PRO9904; ALGV3072
NCBI Protein Information	epigen; epithelial mitogen homolog
UniProt Protein Name	Epigen
UniProt Gene Name	EPGN
UniProt Synonym Gene Names	EPG
UniProt Entry Name	EPGN_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://www.aaabiotech.com/clia-kits/epigen-epg/130172>