

Mouse Advanced Oxidation Protein Products (AOPP) ELISA Kit | AOPP elisa kit

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CATALOG # AAA149081	REACTIVITY Mouse
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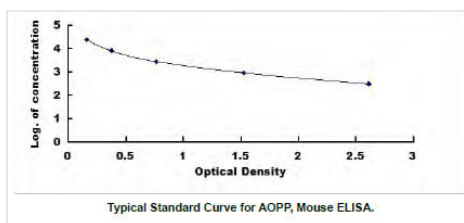
PRODUCT SYNONYMS

Advanced Oxidation Protein Products (AOPP); Mouse Advanced Oxidation Protein Products (AOPP) ELISA Kit; AOPP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of ANP. No significant cross-reactivity or interference between ANP and analogues was observed.
Sequence Length	286
Assay Type	Competitive Inhibition
Samples	Serum, Plasma and other biological fluids
Detection Range	308.6-25,000ng/mL
Sensitivity	104.3ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ANP 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 ANP were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
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 AOPP elisa kit	Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of ANP in rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to ANP has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled ANP and unlabeled ANP (Standards or samples) with the pre-coated antibody specific to ANP. After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of ANP in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of ANP in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	74752087
NCBI GeneID	221120
UniProt Accession #	Q96Q83; Q3SYI0; Q6NX57; Q96BU8; A6NDJ1
Molecular Weight	19,310 Da
NCBI Official Full Name	Alpha-ketoglutarate-dependent dioxygenase alkB homolog 3
NCBI Official Synonym Full Names	alkB homolog 3, alpha-ketoglutaratedependent dioxygenase
NCBI Official Symbol	ALKBH3
NCBI Official Synonym Symbols	ABH3; PCA1; DEPC1; hABH3; DEPC-1
NCBI Protein Information	alpha-ketoglutarate-dependent dioxygenase alkB homolog 3
UniProt Protein Name	Alpha-ketoglutarate-dependent dioxygenase alkB homolog 3
UniProt Gene Name	ALKBH3
UniProt Synonym Gene Names	hABH31 PublicationManual assertion based on opinion iniRef.7

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.