

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

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CATALOG #
AAA182249

REACTIVITY
Rat

PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of AOPP. No significant cross-reactivity or interference between AOPP and analogues was observed.
Assay Type	Quantitative Competitive
Samples	Rat serum, plasma and other biological fluids
Detection Range	24.69-2,000pg/mL
Sensitivity	< 8.66pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level AOPP 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 AOPP 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.

ADDITIONAL INFORMATION

Related Product Information for AOPP elisa kit

Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to AOPP has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled AOPP and unlabeled AOPP (Standards or samples) with the pre-coated antibody specific to AOPP. 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 AOPP in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of AOPP in the sample.

Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of AOPP in rat serum, plasma and other biological fluids.

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/rat-elisa-kits/advanced-oxidation-protein-products-aopp/182249>