

General Platelet Activating Factor (PAF) ELISA Kit | PAF elisa kit

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CATALOG #
AAA20759

REACTIVITY
General

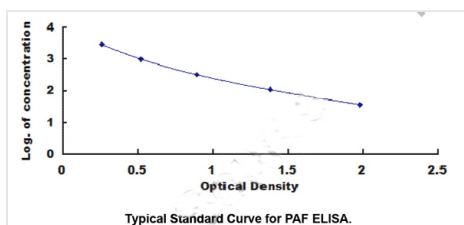
PRODUCT SYNONYMS

Platelet Activating Factor (PAF); General Platelet Activating Factor (PAF) ELISA Kit; PAF-Acether; AGEPC; Acetyl-Glycerol-Ether-Phosphorylcholine; PAF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	General
Specificity	This assay has high sensitivity and excellent specificity for detection of PAF. No significant cross-reactivity or interference between PAF and analogues was observed.
Sequence Length	204
Assay Type	Quantitative Competitive
Samples	Serum, plasma and other biological fluids
Detection Range	37.0-3,000pg/mL
Sensitivity	< 13.3pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PAF 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 PAF 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 PAF elisa kit	Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to PAF has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled PAF analogues and unlabeled antigen (Standards or samples) with the pre-coated antibody. 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 PAF in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of PAF in the sample. Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of PAF in serum, plasma and other biological fluids.
Product Categories/Family for PAF elisa kit	Metabolic pathway; Infection immunity; Cardiovascular biology
References	A novel mechanistic approach for the anti-fibrotic potential of rupatadine in rat liver via amendment of PAF/NF- κ B p65/TGF-beta1 and hedgehog/HIF-1 α /VEGF trajectories; Inflammopharmacology; 2023 Feb 22.; PMID: 36811777; Manar A Didamoony; Pharmacology and Toxicology Department, Faculty of Pharmacy, Egyptian Russian University, Cairo, 11829, Egypt. manar-didamoony@eru.edu.eg.

NCBI AND UNIPROT INFORMATION

NCBI GI #	22537262
NCBI GeneID	1013908
NCBI Accession #	NP_688113.1
NCBI GenBank Nucleotide #	NC_004116.1
NCBI Official Full Name	platelet activating factor
NCBI Official Symbol	SAG1104
NCBI Protein Information	platelet activating factor

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.