

Mouse Prostaglandin F2 Alpha ELISA Kit | PGF2alpha elisa kit

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CATALOG #
AAA17515

REACTIVITY
Mouse

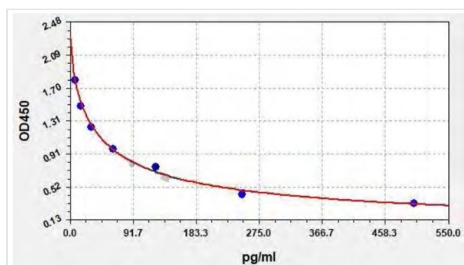
PRODUCT SYNONYMS

Prostaglandin F2 Alpha; Mouse Prostaglandin F2 Alpha ELISA Kit; PGF2alpha ; PGF2alpha elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Specifically recognize PGF2alpha, no obvious cross reaction with other analogues
Sequence Length	359
Assay Type	Competitive
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	7.813-500pg/ml
Sensitivity	4.688pg/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PGF2alpha elisa kit	Background: Prostaglandin F2-alpha, One of the prostaglandins, a group of hormone-like substances that participate in a wide range of body functions such as the contraction and relaxation of smooth muscle, the dilation and constriction of blood vessels, control of blood pressure, and modulation of inflammation. Prostaglandin F2-alpha(PGF-2 alpha) is a stable prostaglandin that stimulates the contraction of uterine and bronchial smooth muscle and produces vasoconstriction (tightening) in some blood vessels. Principle of the Assay: This kit was based on Competitive-ELISA detection method. The microtiter plate provided in this kit has been pre-coated with PGF2alpha. During the reaction, PGF2alpha in the sample or standard competes with a fixed amount of PGF2alpha on the solid phase supporter for sites on the Biotinylated Detection Antibody specific to PGF2alpha. Excess conjugate and unbound sample or standard are washed from the plate, and HRP-Streptavidin (SABC) is added to each microplate well and incubated. Then TMB substrate solution is added to each well. The enzymesubstrate reaction is terminated by the addition of a acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm. The concentration of PGF2alpha in the samples is then determined by comparing the OD of the samples to the standard curve. The concentration of the target substance was inversely proportional to the OD450 value.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	2257850
NCBI GeneID	5737
Molecular Weight	30,766 Da
NCBI Official Full Name	prostaglandin F2 alpha receptor
NCBI Official Synonym Full Names	prostaglandin F receptor
NCBI Official Symbol	PTGFR
NCBI Official Synonym Symbols	FP
NCBI Protein Information	prostaglandin F2-alpha receptor
UniProt Protein Name	Prostaglandin F2-alpha receptor
UniProt Gene Name	PTGFR
UniProt Synonym Gene Names	PGF receptor; PGF2-alpha receptor
UniProt Entry Name	PF2R_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://stage.aaabiotech.com/pgf2alpha-mouse-elisa-kits/prostaglandin-f2-alpha/17515>