

Human PGF2alpha ELISA Kit | PGF2alpha elisa kit

Human PGF2alpha (Prostaglandin F2alpha) ELISA Kit

CATALOG #
AAA164287

REACTIVITY
Human

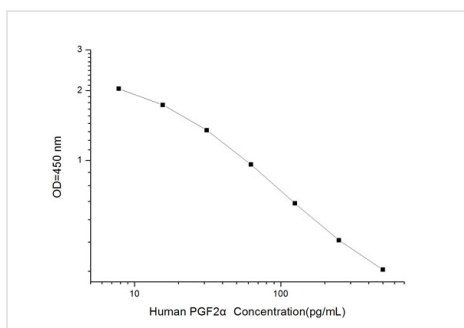
PRODUCT SYNONYMS

PGF2alpha; Human PGF2alpha (Prostaglandin F2alpha) ELISA Kit; PGF2alpha elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This kit recognizes natural and recombinant Human PGF2alpha. No significant cross-reactivity or interference between Human PGF2alpha and analogues was observed.
Sequence Length	297
Samples	Serum, Plasma, Biological Fluids
Assay Type	Competitive
Detection Range	7.813-500pg/mL
Sensitivity	Min: 4.688pg/mL; Max: 500pg/mL
Intended Uses	This ELISA kit applies to the in vitro quantitative determination of Human PGF2alpha concentrations in serum, plasma and other biological fluids.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PGF2alpha elisa kit

Principle of the assay: This ELISA kit uses Competitive-ELISA as the 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 Ab specific to PGF2alpha. Excess conjugate and unbound sample or standard are washed from the plate, and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of PGF2alpha in the samples is then determined by comparing the OD of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	88758606
NCBI GeneID	5737
NCBI Accession #	NP_001034674.1
NCBI GenBank Nucleotide #	NM_001039585.1
UniProt Accession #	P43088; Q2KHP3; Q6RYQ6; Q9P1X4; A8K9Y0
Molecular Weight	30,766 Da
NCBI Official Full Name	prostaglandin F2-alpha receptor isoform b
NCBI Official Synonym Full Names	prostaglandin F receptor (FP)
NCBI Official Symbol	PTGFR
NCBI Official Synonym Symbols	FP
NCBI Protein Information	prostaglandin F2-alpha receptor; PGF receptor; PGF2 alpha receptor; PGF2-alpha receptor; prostaglandin F2 alpha receptor; prostaglandin receptor (2-alpha); prostanoid FP 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/human-elisa-kits/pgf2alpha/164287>