

Mouse Prostaglandin F Receptor ELISA Kit | FP elisa kit

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CATALOG #
AAA82418

REACTIVITY
Mouse

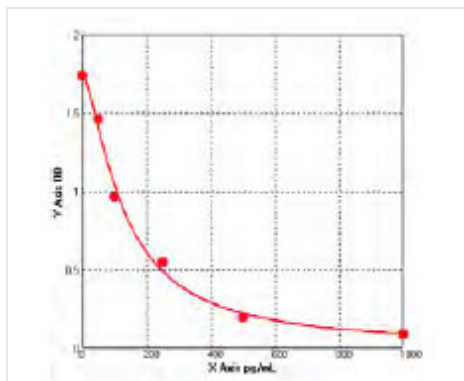
PRODUCT SYNONYMS

Prostaglandin F Receptor; Mouse Prostaglandin F Receptor ELISA Kit; FP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of PTGFR. No significant cross-reactivity or interference between PTGFR and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PTGFR and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FP elisa kit	Intended Uses: This PTGFR ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse PTGFR. This ELISA kit for research use only! Principle of the Assay: PTGFR ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-PTGFR antibody and an PTGFR-HRP conjugate. The assay sample and buffer are incubated together with PTGFR-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the PTGFR concentration since PTGFR from samples and PTGFR-HRP conjugate compete for the anti-PTGFR antibody binding site. Since the number of sites is limited, as more sites are occupied by PTGFR from the sample, fewer sites are left to bind PTGFR-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PTGFR concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	34596210
NCBI GeneID	5737
Molecular Weight	30,766 Da
NCBI Official Full Name	prostaglandin F receptor
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; prostanoid FP receptor; prostaglandin F2 alpha receptor; prostaglandin receptor (2-alpha)
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.