

## Rat PGF2alpha ELISA Kit | PGF2alpha elisa kit

Rat PGF2alpha (Prostaglandin F2 Alpha) ELISA Kit

CATALOG #  
**AAA164745**

REACTIVITY  
**Rat**

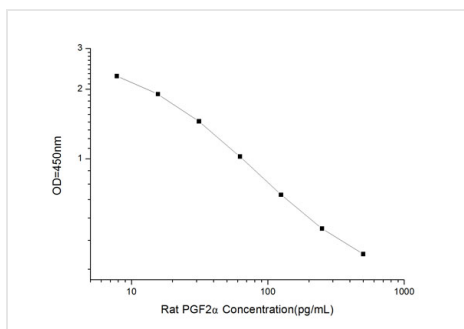
### PRODUCT SYNONYMS

PGF2alpha; Rat PGF2alpha (Prostaglandin F2 Alpha) ELISA Kit; PGF2alpha elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                                          |
| Specificity             | This kit recognizes natural and recombinant Rat PGF2alpha. No significant cross-reactivity or interference between Rat 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                                                                                                                               |
| Preparation and Storage | Store at 4 degree C.                                                                                                                                         |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for PGF2alpha elisa kit

**Intended Uses:** This ELISA kit applies to the invitro quantitative determination of Rat PGF2alpha concentrations in serum, plasma and other biological fluids.

**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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