

General Progesterone (PG) ELISA Kit | PG elisa kit

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CATALOG #
AAA129552

REACTIVITY
General

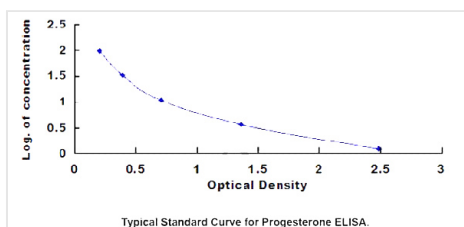
PRODUCT SYNONYMS

Progesterone (PG); General Progesterone (PG) ELISA Kit; P4; Pregn-4-Ene-3; 20-Dione; PG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	General
Specificity	This assay has high sensitivity and excellent specificity for detection of progesterone. No significant cross-reactivity or interference between progesterone and analogues was observed.
Sequence Length	933
Assay Type	Quantitative Competitive
Samples	Serum, plasma and other biological fluids
Detection Range	1.23-100ng/mL
Sensitivity	< 0.55ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level progesterone 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 progesterone 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 PG elisa kit	Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to progesterone has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled progesterone and unlabeled progesterone (Standards or samples) with the pre-coated antibody specific to progesterone. 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 progesterone in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of progesterone in the sample. Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of progesterone in serum, plasma and other biological fluids.
Product Categories/Family for PG elisa kit	Endocrinology; Reproductive science; Hormone metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	110611914
NCBI GeneID	5241
NCBI Accession #	NP_000917.3
NCBI GenBank Nucleotide #	NM_000926.4
UniProt Accession #	P06401; Q8TDS3; Q9UPF7; A7LQ08; A7X8B0; B4E3T0
Molecular Weight	87,747 Da
NCBI Official Full Name	progesterone receptor isoform B
NCBI Official Synonym Full Names	progesterone receptor
NCBI Official Symbol	PGR
NCBI Official Synonym Symbols	PR; NR3C3
NCBI Protein Information	progesterone receptor
UniProt Protein Name	Progesterone receptor
UniProt Gene Name	PGR
UniProt Synonym Gene Names	NR3C3; PR
UniProt Entry Name	PRGR_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.