

Product Specification Sheet

□ Cat. #P411BSA-N-100

Progesterone-11-CME-BSA Conjugate

SIZE : 100 ug

Progesterone is a C-21 female sex steroid hormone with a variety of physiological effects. The progesterone receptor (PgR) is an estrogen-regulated protein. It has been proposed that expression of PgR determination indicates a responsive estrogen receptor (ER) pathway, and therefore, may predict likely response to endocrine therapy in human breast cancer. A number of studies have shown that PgR determination provides supplementary information to ER, both in predicting response to endocrine therapy and estimating survival. PgR has proved superior to ER as a prognostic indicator in some studies. In the follicular phase of the menstrual cycle, progesterone is produced in low levels. It increases to the LH peak and then sharply rises 3 to 4 days later to higher levels, remaining elevated through the 10th to 12th days after the LH peak. Next there is a sharp decline to the low levels of the follicular phase. Progesterone is responsible for the induction of the cyclic changes in the endometrium of the uterus allowing implantation and successful growth of the fertilized ovum and maintenance of pregnancy.

Levels of progesterone may be useful in the evaluation of sterility due to luteal phase defects, prediction of impending abortion, and the diagnosis of ectopic pregnancy. Drugs such as, oral contraceptives, superovulatory drugs, estrogen replacement therapy medication, and GnRH analogues may affect normal values of progesterone. The removal of ovarian function following surgical oophorectomy or chemotherapy may influence salivary progesterone values. The determination of salivary progesterone combines a highly sensitive technique and non-invasive sample collection that is of value in clinical and research studies.

Source of Antigen and Antibodies

Antigen	
Ab Host/type	
2-Ab	
-ve control IgG	

Isotype controls:

20102-101	Mouse IgG1 isotype control, purified
20102-101-APC	Mouse IgG1-APC conjugate (isotype control)
20102-101-B	Mouse IgG1-Biotin conjugate (isotype control)
20102-101-F	Mouse IgG1-FITC conjugate (isotype control)
20102-101-FP	Mouse IgG1-FITC-PE conjugate (isotype control)
20102-101-HP	Mouse IgG1-HRP conjugate (isotype control)
20102-101-PC5	Mouse IgG1-PE-Cy5 conjugate (isotype control)
20102-101-PE	Mouse IgG1-PE conjugate (isotype control)

Form & Storage of Antibodies/Peptide Control

Antiserum

□ 100 ul □ solution □ lyophilized powder

Buffer: PBS+0.01% azide

Reconstitute powder 100 ul of PBS.

Storage

Short-term: unopened, undiluted vials for less than a week at 4oC.

Long-term: at -20C or below in suitable aliquots after reconstitution. Do not freeze and thaw and store working, diluted solutions.

Stability: 6-12 months at -20oC or below.

Shipping: 4oC for solutions and room temp for powder.

Recommended Usage

Western Blotting: Users must optimize antibody dilution depending upon the nature of samples and other technical conditions.

ELISA : Assay-dependent dilution. (1:10-50K; using 50-100 ng antigen/well).

Histochemistry & Immunofluorescence: not tested.

Specificity : This antibody detects Progesterone

Related items :

Catalog#	ProdDescription
1855	Human Progesterone (saliva) ELISA Kit, 96 tests, Quantitative
1870	Human 17 alpha Hydroxyprogesterone (17-OHP/17OHP) ELISA, 96 tests, Quantitative
1955	Human Progesterone (serum) ELISA Kit, 96 tests, Quantitative
MA-20107	Mouse Monoclonal Anti-Human to progesterone receptor (PR)
MA-20205	Mouse Monoclonal Anti-Human progesterone receptor (PGR)
MA-20268	Mouse Monoclonal Anti-Human progesterone receptor (PGR)
MA-30041	Mouse Monoclonal Anti-Progesterone IgG#1
MA-30042	Mouse Monoclonal Anti-Progesterone IgG#2
P4BSA-N-100	Progesterone-11-CME-BSA Conjugate