

Progesterone Antibody - With BSA and Azide

Mouse Monoclonal Antibody [Clone 6-5E-10B]

Catalog # AH12969

Product Information

Application	E
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgG1, kappa
Clone Names	6-5E-10B
Calculated MW	314 KDa

Additional Information

Application Note	E~~N/A
Storage	Store at 2 to 8°C.Antibody is stable for 24 months.
Precautions	Progesterone Antibody - With BSA and Azide is for research use only and not for use in diagnostic or therapeutic procedures.

Background

This MAb is specific for progesterone. It exhibits minimal cross reactivity with related compounds in ELISA. It reacts with Progesterone-11a-HMS-BSA: 100%; 5-beta-Pregnane-3,20-dione: 48%; 5-alpha-Pregnane-3,20-dione: 26.4%; 17-alpha-Hydroxyprogesterone: 2.5% and 20-alpha-Hydroxyprogesterone: 0.04%. Progesterone is a steroid hormone synthesized from the cholesterol derivative, pregnenolone, in the cortex of the adrenal gland. Progesterone is secreted by the corpus luteum and acts to prepare the endometrium for the implantation of a fertilized egg. During pregnancy, it is secreted by the placenta to prevent spontaneous abortion and to stimulate the development of mammary tissue to produce milk. Thus, progesterone plays a central role in the reproductive events associated with the establishment and maintenance of pregnancy. Luteinized theca cells of normal ovary secrete progesterone. The determination of progesterone concentrations in the body fluids is of great value for endocrinological investigations in women. This MAb may prove useful in identification of ovarian tumors.

References

Fantl, V.E., Wang, D.Y., Knyba, R.E. 1982. The production of high affinity monoclonal antibodies to Progesterone. J. Steroid Biochem. 17: 125-130

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.