

36-3708: Anti-Progesterone Monoclonal Antibody(Clone: 6-5E-3F)

Clonality :	Monoclonal
Clone Name :	6-5E-3F
Application :	ELISA,RIA
Reactivity :	All species
Alternative Name :	Pregn 4 ene 3 20 dione; Pregn 4 ene 3 20 dione
Isotype :	Mouse IgG1, kappa
Immunogen Information :	Progesterone hemisuccinate conjugated to bovine serum albumin

Description

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%; 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.

Product Info

Amount :	20 µg / 100 µg
Content :	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage condition :	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

Application Note

ELISA (For coating, order Ab without BSA); Radioimmunoassay (RIA)

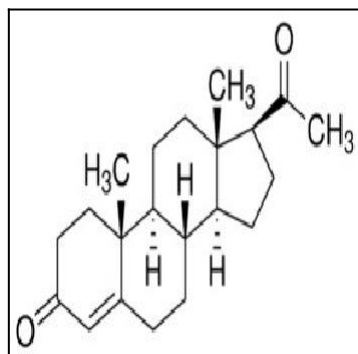


Fig. 1: Molecular Structure of Progesterone

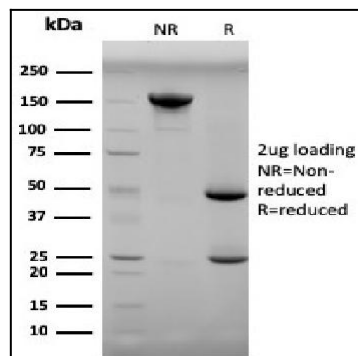


Fig. 2: SDS-PAGE Analysis Purified Progesterone Mouse Monoclonal Antibody (6-5E-3F). Confirmation of Purity and Integrity of Antibody