

**Progesterone Antibody - With BSA and Azide**  
**Mouse Monoclonal Antibody [Clone 6-5E-3F ]**  
**Catalog # AH12857**

## Specification

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### Progesterone Antibody - With BSA and Azide - Product Information

Application	,10,
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgG1, kappa
Calculated MW	314.46Da Da

### Progesterone Antibody - With BSA and Azide - Additional Information

#### 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.

### Progesterone Antibody - With BSA and Azide - Protein Information

### Progesterone Antibody - With BSA and Azide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Progesterone Antibody - With BSA and Azide - Images

### Progesterone Antibody - With BSA and Azide - 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%; 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.

#### **Progesterone Antibody - With BSA and Azide - 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