



## Monoclonal Antibody to **PROGESTERONE**

### *Technical Data Sheet*

#### Reagent Category

Monoclonal primary antibody to  
Progesterone

#### Antibody Formats Supplied

- 7 ml of anti progesterone, Ready-To-Use
- 0.2 ml of anti progesterone, Concentrate

PRODUCT# IMI28861E (Ready-To-Use)

PRODUCT# IMI28852E (Concentrate)

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**SOURCE:** Mouse ascites fluid

**IMMUNOGLOBULIN ISOTYPE:** IgG1

**POSITIVE CONTROL TISSUE:** Ovary

#### **REACTIVITY**

This monoclonal anti human progesterone antibody reacts with progesterone and it is suitable for use on routinely fixed paraffin embedded and frozen sections and cytospin preparations. In addition, this antibody is suitable for use in a variety of immunoassays such as ELISA, flow cytometry, dot blots and immunoblotting. This antibody is compatible with formalin and other most commonly used histological fixatives.

**STAINING PATTERN:** Cytoplasmic staining

#### **PRODUCT FORMATS, DILUTIONS and INCUBATIONS**

Progesterone monoclonal affinity purified mouse ascites antibody is provided in phosphate buffered saline pH 7.2 containing bovine serum albumin (BSA) and 0.05% sodium azide.

**7 ml pre-diluted, Ready-to-Use, (do not dilute). Incubate for 10-30 minutes.**

**0.2 ml of Concentrate: The suggested starting dilution for 30-minute incubation is 1:50 for paraffin sections and 1:100 for frozen sections.** The ultimate working dilution and incubation time must be determined by the end user for the incubation time and the secondary reagents employed.

*The above dilutions and incubation times were derived by the use of Innovex STAT-Q -detection system. For less sensitive detection systems these dilution factors may vary and they should be determined by the end user for specific detection system employed.*

#### **SPECIAL USAGE GUIDANCE**

No pre-treatment such as high heat antigen unmasking method is required for staining of formalin fixed paraffin sections, the use of Innovex STAT-Q Staining system, product number NB314KLD and Innovex Signal-Enhancing Wash Buffers (Item#: IMI00396E for Immuno-Peroxidase staining and Item#: IMI00596E for Immuno-Alkaline-phosphatase) in place of PBS or Tris buffer for the rinsing steps in between the incubation steps is employed. The use of Innovex Signal Enhancing Wash Buffer amplifies staining signal, eliminates the

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need for enzyme digestion pre treatment, heat application (retrieval procedure) and shortens the incubation time for the primaries antibodies without addition of any extra steps to immunostaining procedures. In the absence of Innovex staining system mentioned above, the user may employ high heat antigen unmasking methods.

## **APPLICATIONS**

This antibody is intended for use in immunolocalization of progesterone variety of immunoassays such as Immunochemistry in human and animal tissues, ELISA, Immunoblotting and dot blotting. In immunochemistry, this antibody can be used in staining routinely fixed paraffin embedded or frozen histological sections for the purpose of qualitative localization of progesterone antigens. This antibody can also be used for quantitative flow cytometric assays in the indirect method.

## **SPECIES REACTIVITY**

This antibody reactivity with tissues of human has been substantiated, other species reactivity may be characterized by the end user.

## **STORAGE CONDITIONS**

Store in refrigerator at 2-8°C through expiration date noted on the vial.

## **IMPORTANT NOTE:**

**The interpretation of test results is the sole responsibility of the end user.**

***FOR IN VITRO RESEARCH USE ONLY***