



## Monoclonal Antibody to **ANDROGEN RECEPTOR**

### *Technical Data Sheet*

#### Reagent Category

Monoclonal primary antibody to  
Androgen Receptor

#### Antibody Formats Supplied

0.2 ml of Androgen Receptor, Concentrate

**PRODUCT# IMI11152E (Concentrate)**

**SOURCE:** Purified Cultured Supernatant

**IMMUNOGEN:** Recombinant protein representing the N-terminus of the human androgen receptor

**IMMUNOGLOBULIN ISOTYPE:** IgG1

**CLONE:** AR441

#### **REACTIVITY**

Androgen receptor belongs to the family of ligand responsive transcription regulators that are involved in regulating the function of androgen (male hormones). Androgen receptor localization in human tumors such as prostate carcinoma and in skin and oral mucosa can be visualized by immunohistochemical staining. This antibody is suitable for use on routinely fixed paraffin embedded and frozen sections. This antibody is compatible with formalin fixative as well as most histological fixatives (see special usage guidance of this data sheet).

**POSITIVE CONTROL TISSUE:** Prostate carcinoma

**STAINING PATTERN:** Nuclear

#### **Antibody FORMATS, DILUTIONS and INCUBATIONS**

This affinity purified monoclonal anti androgen receptor antibody is provided in phosphate buffered saline pH 7.2 containing bovine serum albumin (BSA) and 0.05% sodium azide.

**0.2 ml of concentrate; For 30 minute to 1 hour incubation dilute 1: 20-1:30**

For longer incubation time the working titer should be determined by the end user.

The above dilutions and incubation times were derived by the use of Innovex STAT-Q detection systems. 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**

The use of heat (retrieval procedure) and/or the use of Innovex-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 highly recommended.

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The use of Innovex- Enhancing Wash Buffers greatly enhances staining signals for antigenically weak tissues or for overfixed tissues. **Its use further eliminates the need for enzyme pre-digestion, heat application (retrieval procedure), long incubation of primaries and repetitive procedures.**

**When using heat to recover antigens, Tissue recovery solution (Innovex Product # NB304), is recommended for its pH remains unchanged by increase in temperature and as a result no damage to morphology occurs.**

## APPLICATIONS

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

## SPECIES REACTIVITY

This antibody reactivity with 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**