



Monoclonal Antibody to Estrogen Receptor (ER)

Technical Data Sheet

Reagent Category

Monoclonal primary antibody to
Estrogen Receptor (ER)

Antibody Formats Supplied

- 5 ml of anti ER, Ready-To-Use
- 0.2 ml of anti ER, Concentrate

PRODUCT# IMI22761E (Ready-To-Use)

PRODUCT# IMI22752E (Concentrate)

SOURCE: Purified Cultured Supernatant

IMMUNOGEN: Recombinant estrogen receptor proteins

IMMUNOGLOBULIN ISOTYPE: IgG1

Clone: ER1D5

REACTIVITY

Estrogen receptor belongs to the family of steroids hormone receptors that are involved in regulating growth of sex organ derived tumors. The detection of estrogen receptor and level may be useful in evaluation of responsiveness to hormonal therapy in neoplastic conditions of breast. ER1D5 estrogen receptor antibody reacts with a 67 kD polypeptide chain of estrogen receptor protein. This antibody is suitable for use on routinely fixed paraffin embedded and frozen sections. This ER antibody is compatible with formalin fixative as well as most histological fixatives.

POSITIVE CONTROL TISSUE: Breast Carcinoma

STAINING PATTERN: Nuclear

Antibody FORMATS, DILUTION and INCUBATION

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

5 ml of pre-diluted, Ready-to-Use, Do not dilute. Incubate for 30 minutes to 1-hour. This antibody best stains when formalin fixed paraffin embedded sections are retrieved.

For Background-Free and easy retrieval, Innovex Uni-Trieve (60°-80°C) universal retrieval solution is highly recommended. To retrieve with Uni-Trieve: Warm up water bath to 75°-80°C and fill a slide holding container with Uni-Trieve solution. Place slides in a slide rack and immerse slides in a vessel or a coplin jar containing Uni-Trieve solution, bring the solution and slides to 75°-80°C and let slides incubate at 75°-80°C for 30 minutes. Rinse slides with 2 quick changes of water; No cooling period is required. Proceed with immunostaining.

0.2 ml of concentrate; dilute 1:20-1:40 for 1-hour incubation. The provided dilution range and incubation time are mere guidelines, the incubation time and the working titer must be determined by the end user for the tissue and the secondary staining reagents employed. **This antibody best stains when formalin fixed paraffin embedded sections are retrieved.**

For Background-Free and easy retrieval, Innovex Uni-Trieve (60°-80°C) universal retrieval solution is highly recommended. To retrieve with Uni-Trieve: Warm up water bath to 75°-80°C and fill a slide holding container with Uni-Trieve solution. Place slides in a slide rack and immerse slides in a vessel or a coplin jar containing Uni-Trieve solution, bring the solution and slides to 75°-80°C and let slides incubate at 75°-80°C for 30 minutes. Rinse slides with 2 quick changes of water; No cooling period is required. Proceed with immunostaining.

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

APPLICATIONS

This antibody is intended for use in immunolocalization of ER antigen by a variety of immunoassays such as Immunocytochemistry, fluorescent labeling, ELISA, Immunoblotting and dot blotting. In immunocytochemistry, 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 ER 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.

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