

Instructions For Use A00010-IFU-IVD

Rev. Date: July 7, 2008

Revision: 1

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P.O. Box 3286 - Logan, Utah 84323, U.S.A. - Tel. (800) 729-8350 - Fax (435) 755-0015 - www.scytek.com

Estrogen Receptor

Availability/Contents: <u>Item #</u> <u>Volume</u>

A20010 2 ml A00010 6 ml A00010.25 25 ml

Description:

Species: Mouse

Immunogen: Tissue culture supernatant.

Clone: 1D5

Isotype: IgG1, Kappa

Format: This antibody has been pretitered and quality controlled to work on formalin-fixed paraffin-

embedded as well as acetone fixed cryostat tissue sections. No further titration is required. This antibody reacts with the N-terminal domain (A/B) region of human estrogen recentor.

Specificity: This antibody reacts with the N-terminal domain (A/B) region of human estrogen receptor.

It also labels the nucleus of cells know to contain large amounts of estrogen receptor such as epithelial and myometrial cells of the uterous and normal and hyperplastic epithelial cells of the mammary glands. Epithelial cells of breast carcinoma expressing estrogen receptor are also labeled. Tissues containing little or no estrogen receptor showed little or no staining. Some lymphoid tumors and non/lymphoid neoplasms stained positively. Positive staining is also present in cytosolic extrracts of luteal endometrium and the human breast

cer MCF-7.

Species Reactivity: Human, Monkey, Mouse, and Rat. Others not tested.

Positive Control: Breast Carcinoma

Cellular Localization: Nuclear

Titer/Working Dilution: No further dilution is required. Microbiological State: This product is not sterile.

Uses/Limitations: For In Vitro Diagnostic Use.

This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-

fixed, paraffin-embedded tissue sections, to be viewed by light microscopy.

Do not use past expiration date.

Storage and Stability: 2-8° Centigrade.

Product is stable for 24 months from date of manufacture.

If reagent is not stored as recommended, performance must be validated by the user.

Procedure:

 Tissue Section Pretreatment: Staining of formalin fixed, paraffin embedded tissue sections is enhanced by pretreatment with Citrate Plus (ScyTek catalog# CPL500) or 10mM citrate buffer, pH 6.0 (ScyTek Catalog# CBB500, see IFU for instructions).

Primary Antibody Incubation Time: We suggest an incubation period of 30-60 minutes at room temperature.
 However, depending upon the fixation conditions and the staining system employed, optimal incubation should



ScyTek Laboratories, Inc. 205 South 600 West Logan, UT 84321 U.S.A.

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© REP EmergoEurope (31)(0) 70 345-8570 Molsnstraat 15 2513 BH Hague

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be determined by the user.

3. Visualization: For maximum staining intensity we recommend the "Retrieval HRP Anti-Polyvalent Lab Pack" (ScyTek catalog# RPL125, see IFU for instructions) combined with the "DAB Chromogen/Substrate Bulk Pack (High Contrast)" (ScyTek catalog# ACV500, see IFU for instructions).

Precautions: Contains Sodium Azide as a preservative (0.09% w/v).

Do not pipette by mouth.

Avoid contact of reagents and specimens with skin and mucous membranes.

Avoid microbial contamination of reagents or increased nonspecific staining may occur.

This product contains no hazardous material at a reportable concentration according to U.S. 29 CFR

1910.1200, OSHA Hazardous Communication Standard and EC Directive 91/155/EC.

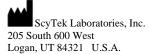
References:

- 1. AL Saati, et al. Production of monoclonal antibodies to human esrogen receptor (ER) protein using recombinant ER (RER). Int J Cancer 1993; 55:651
- 2. Kumar V, et al. Functional domains of the human estrogen receptor. Cell 1987:51:941

Warranty:

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