



HISTOPRIME[®]

CatNo E054

Progesterone receptor

Lot: See Label

Storage: +2 to +8 °C

Exp. Date: See Label

Monoclonal Antibody against Progesterone receptor

Specificity

Steroid hormone receptors are of great therapeutic importance in the treatment of breast cancer. The expression of estrogen or progesterone in tumor tissue is a prerequisite for a patient's response to anti-hormone therapy.

Contents

Reagents sufficient for about 50-100 tissue sections
1 dropper bottle **HISTOPRIME[®] Progesterone receptor** (Bottle, 5 ml)

Application

The monoclonal antibody E054 reacts with the human progesterone receptor (PRG). It shows a nuclear staining of cell nuclei of the corresponding carcinomas expressed. Depending on the tissue, cytoplasmic staining may also occur.

The antibody can be used for frozen sections as well as for formalin-fixed paraffin material. A prerequisite for satisfactory staining results is a first-class preservation condition of the tissue. In a series of tests in our development laboratory, pretreatment of the deparaffinized sections with the HistoSafe Enhancer Unmasking Solution (CatNo E7000) has proven to be the best prerequisite for good staining results. After this pretreatment, a one-hour incubation time with the primary antibody (the same as for frozen sections) is sufficient.

With an incubation time of 16 h at room temperature without pretreatment, useful results can also be obtained.

In addition, we offer other paraffin-embedded antibodies such as anti-estrogen receptor (LINARIS Cat. No. E051), anti-cathepsin D (LINARIS Cat. No. E048) or anti-p53 (LINARIS Cat. No. E052) for questions on breast carcinoma.

Fusion Partners

The monoclonal antibody E054 was obtained from culture supernatant of mouse hybridoma cells and is available in ready-to-use form.

E054-230109-1/2



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Characterization

Antigen	Human progesterone receptor
Clone	1A6
Isotype	Mouse IgG1
Pretreatment	Pretreat paraffin sections for 20 min at 96-100°C with HistoSafe Enhancer Unmasking Solution (LINARIS CatNo E7000) in a water bath or 3 times 6 min in the microwave. Cryostat material does not require pretreatment!
Incubation Period	1 hour by room temperature
Control Tissue	Breast Cancer
Application	Ready-to-use in PBS, BSA, NaN ₃ (0.09%) pH 7.4(*) suitable on cryostat sections and on formalin-fixed, paraffin-embedded tissue sections.
Recommended Secondary Reagents	Alkaline Phosphatase Vectastain [®] ABC Mouse IgG (Vector CatNo AK-5002) and Substrate-Kit e.g. Vector [®] Red (Vector CatNo SK-5100). Peroxidase Vectastain [®] ABC-Elite Mouse IgG (Vector CatNo PK-6102) and Peroxidase Substrate-Kit e.g. DAB (LINARIS CatNo E108) or HistoGreen (LINARIS CatNo E109).

References

1. Horowitz, K. Et al. Science 189, 725-727 (1975)
2. Clark, G. M. et al. Proceeding of Royal Society of Edinburgh 95B, 145-150 (1989)
3. Raemakers, J. et al. Eur. J. Cancer and Clin. Oncology 23 (4), 443-447 (1987)
4. Stewart, J. et al. Breast Cancer Research and Treatment 2, 243-251 (1982)
5. Gross, G. et al. Cancer Research 44, 837-840 (1984)
6. Mason, B. et al. Cancer Research 43, 2985-2990 (1983)
7. Clark G. et al New England J. Medicine 309 (22) 1342-1343 (1983)
8. Giri et al. J. Clin. Pathol. 41, 444-447 (1988)

Differential identification is aided by the results from a panel of antibodies. Interpretation must be made within the context of the patient's clinical history and other diagnostics tests by a qualified pathologist.

(*)Note E054 contains Sodium Azide; take adequate precautions!

E054-230109-2/2

For Research use only. Not for use in diagnostic procedure

Manufacturer

BIOZOL
FIT FOR SCIENCE

BIOZOL

Diagnostica Vertrieb GmbH
Leipziger Straße 4
85386 Eching

Phone +49 (89) 3799 666 6
Fax +49 (89) 3799 666 99
E-Mail info@biozol.de
www biozol.de

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