Human Estrogen Receptor
Clone 6F11
Cat. no. MONX10103

Specificity
Estrogen receptor (ER) content of breast cancer tissue is an important parameter in the prediction of prognosis and response to endocrine therapy. Traditionally, ER status has been determined using the dextran coated charcoal (DCC) method, carried out only in specialised centres. The introduction of monoclonal antibodies to ER has allowed the determination of receptor status of breast tumours to be carried out in routine histopathology laboratories. Initially, monoclonal antibodies recognising ER were only effective on frozen material. MONX10104, effective on formalin-fixed, paraffin-embedded material, allows the determination of ER in routinely processed and archived material.

Immunoglobulin type
Murine IgG1

Use
The antibody can be used for immunohistochemistry on frozen (Zamboni’s fixative) and paraffin sections. It can also be used for Western blotting and Flow cytometry.

Instructions for use
Immunohistochemistry:
Typical working dilution 1:40 - 1:80.
High temperature antigen unmasking technique.
60 minutes primary antibody incubation at 25°C.
Standard ABC technique.

Western blotting:
Typical working dilution 1:50 - 1:100.
Also effective in indirect flow cytometry.

Staining pattern: Nuclear
Antigen used for immunizations: Prokaryotic recombinant protein corresponding to the full-length alpha form of the estrogen receptor molecule.

Positive control
Lobular and tubular breast carcinomas tend to express estrogen receptor.

Presentation
Lyophilised tissue culture supernatant containing 15mM sodium azide.
Reconstitute with 2 ml of sterile distilled water as indicated on vial label.
Literature


Storage and Handling

Store unopened lyophilised antibody at 4oC. Under these conditions, there is no significant loss in product performance up to the expiry date indicated on the vial label. The reconstituted antibody is stable for at least two months when stored at 4oC. For long term storage, it is recommended that aliquots of the antibody are frozen at -20oC (frost-free freezers are not recommended). Repeated freezing and thawing must be avoided. Prepare working dilutions on the day of use.

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