Estrogen receptor (ER-1)


IMMUNOGEN: Prokaryotic recombinant protein corresponding to the full-length alpha form of the estrogen receptor molecule.

REACTIVITY ACCORDING TO MANUFACTURER:
Estrogen receptor (ER) content of human 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 specialized centers. The introduction of monoclonal antibodies to ER has allowed the determination of receptor status of breast tumors to be carried out in routine histopathology laboratories. Initially, monoclonal antibodies recognizing ER were only effective on frozen material. NCL-ER-6F11 is effective on formalin-fixed, paraffin-embedded material.

STAINING PROCEDURE ACCORDING TO MANUFACTURER:
Frozen sections: Zamboni’s is the optimum fixative (10 minutes, RT).
Paraffin sections: Antigen (heat) retrieval with citrate buffer (pH 6.0) is necessary. Incubate primary antibody 60 min at RT at a titer of 1/40-1/80.

WORKING DILUTION: 1/300. Pretreatment with steamer (citrate buffer, pH 6.0).

METHOD: LSAB+/PO, 2h, RT.

CELLS/TISSUES STAINED (feline tissues unless specified):
Uterus: Nuclear staining of epithelium, glands and myometrium. No staining of canine tissues.

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