



Mab to Progesterone Receptor

Clone Determination	1A6
Category	Mouse monoclonal
Immunoglobulin Class	IgG1
Purification	Culture supernatant
Antigen for Immunization	Synthetic peptide
Description/Specificity	The antibody specifically stains tumor cell nuclei, no cytoplasmic staining. The antibody is directed against an epitope at the C-terminal part of the human progesterone receptor (A/B region). The level of progesterone and estrogen receptor protein content in breast cancer tissue is an important parameter for prognosis and treatment.
Application	<ul style="list-style-type: none">• Immunocytochemistry• Immunocytochemistry of frozen sections and paraffin-embedded tissue after microwave pretreatment (see below for paraffin sections)
Positive Control	Human breast carcinoma
Dilution Buffer	Dilute immediately before use with PBS or TBS
Working Dilution	1:5 – 1:10 for immunohistochemistry
Storage	At 2 – 8°C or in aliquots at -20°C
Quantity	1 ml; contains 0.09 % sodium azide

Application on paraffin sections

- Fixation: Small tissue blocks should be fixed as soon as possible after removal, in 10% buffered formalin. The fixation time should not exceed 24 hours. During the embedding process temperatures must be kept below 60°C.
- Mount sections on slides coated with an appropriate medium (Vectabond, APES) at 37°C overnight followed by drying at 56°C for 60 minutes.
- Deparaffinize sections and rehydrate to distilled water.

Antigen retrieval

- Place slides in a coplin jar containing 0.01 M Sodium Citrate buffer, pH 6.0.
- Incubate for 3 x 5 minutes in a microwave oven (750W) with 1 min intervals.
- Quench sections for 30 min at room temperature.
- Rinse for 30 min in PBS.
- Block endogenous peroxidase activity (0.3% H₂O₂ in 50% methanol).
- Apply (approximately diluted) Receptor Antibody.
- Continue immunohistochemical staining procedure with conjugate and substrate reaction.

Reference

Snyders MP et al. Estrogen and progesterone receptor immunohistochemistry in human hyperplastic and neoplastic endometrium. J Pathol 166:171-177 (1992)

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