CONFIRM Estrogen Receptor (ER) (SP1)
Rabbit Monoclonal Primary Antibody

Accurately identify patients for hormone receptor targeted therapy

Estrogen receptor (ER) is a powerful predictor of the response to hormone therapy (such as Tamoxifen) and clinical outcome of breast cancer patients. Run on VENTANA Benchmark IHC/ISH automated slide staining instruments with our advanced detection chemistry, the CONFIRM ER (SP1) Rabbit Monoclonal Primary Antibody can deliver:

- More precise determination of ER expression status compared to other on-market clones and assays to ensure eligible patients are identified for hormone therapy\textsuperscript{1,2,3,10}
- Superior sensitivity and specificity in breast carcinoma samples compared to mouse monoclonal antibodies\textsuperscript{4,10}
- Faster, more accurate results with complete automation and ready-to-use reagents\textsuperscript{5}

CONFIRM ER (SP1) is shown to have a high concordance with the ER (6F11) antibody (96% concordance) but demonstrates a superior signal-to-noise ratio. This is particularly important in low-expressing ER\textsuperscript{+} cases. Difficulties with the interpretation of clone 6F11 staining patterns due to weak granular/punctate nuclear staining can lead to false-positive results.\textsuperscript{1,6}

Empowering clinical confidence
- Rabbit Monoclonal Primary Antibody
- Pre-diluted, ready-to-use reagent
- Fully automated on Benchmark IHC/ISH staining platforms
- CE-IVD marked/FDA 510(k) cleared

CONFIRM ER (SP1) is part of the VENTANA Breast Cancer Diagnostics solution.
CONFIRM ER (SP1) delivers on three key benefits that are valued by pathology professionals:

**Clinical superiority**

SP1 more accurately identifies breast cancer patients for hormone therapy:
- Cheang et al. conclude 1D5 failed to identify 6% of ER-positive patients compared to SP1, and that SP1 is 8% more sensitive, demonstrating that “SP1 represents an improved standard for ER immunohistochemistry assessment in breast cancer.”
- Welsh et al. conclude that “SP1 is more sensitive than 1D5, and displays a stronger signal-to-background ratio. This would suggest that, in addition to its benefits for cost efficiency, the use of SP1 in a clinical setting may help reduce the false-negative rate.”
- Bae et al. demonstrate that ER(SP1) was more sensitive in identifying ER expression in tumours than the mouse monoclonal clones 1D5 and 6F11 as supported by positive correlation to overall survival.

**Analytical superiority**

Specific and sensitive pre-diluted rabbit monoclonal antibodies help you diagnose precisely and confidently:
- Ready-to-use reagents, like CONFIRM ER (SP1), consistently demonstrate superior performance when compared to concentrated antibodies that are used in in-house validated assays.
- Rossi et al. conclude through a comparison of RbMAbs against the corresponding MMAbs that RbMAbs clearly demonstrated a significant increase in terms of sensitivity.
- CONFIRM ER (SP1) is shown to have a high concordance with the ER (6F11) antibody (96% concordance) but demonstrates a superior signal-to-noise ratio. This is particularly important in low-expressing ER+ cases. Difficulties with the interpretation of 6F11 staining patterns due to weak granular/punctate nuclear staining may lead to false-positive results.

**Testing efficiency**

Rapid and consistent results delivered through fully automated platforms, ready to use reagents and digital pathology:
- Protocols on BenchMark IHC/ISH staining platforms show time to result of ~ 3.5 hrs.
- Product development verification and validation studies show reproducibility for inter and intra-platform, lab and reader.
- Maximise workflow efficiency with digital pathology

### CONFIRM ER (SP1) Ordering information

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<th>Product name</th>
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