**Estrogen Receptor (ER) [1D5]**

Concentrated and Prediluted Monoclonal Antibody

903-054-070622

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**Intended Use:**
Analyte Specific Reagent. Analytical and performance characteristics are not established.

**Summary & Explanation:**
Estrogen Receptor (ER) [1D5] is a mouse monoclonal antibody directed against human estrogen receptor protein. ER is a 66 kDa protein that mediates the actions of estrogen in estrogen-responsive tissues. It is a member of a large superfamily of nuclear-hormone receptors that function as ligand-activated transcription factors. The ER gene consists of more than 140 kb of genomic DNA divided into 8 exons. These translate into a protein with six functionally discrete domains labeled A through F. ER [1D5] reacts with the amino-terminal domain in the A/B region of ER-alpha. This clone has been established to work in formalin-fixed, paraffin-embedded tissues and has been published in numerous breast cancer research studies.

**Source:** Mouse monoclonal

**Clone:** 1D5

**Isotype:** IgG1/kappa

**Known Applications:**
Immunohistochemistry (formalin-fixed paraffin-embedded tissues)

**Supplied As:**
Buffer with protein carrier and preservative

**Storage and Stability:**
Store at 2ºC to 8ºC. The product is stable to the expiration date printed on the label, when stored under these conditions. Do not use after expiration date. Diluted reagents should be used promptly; any remaining reagent should be stored at 2ºC to 8ºC.

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**Available Product Formats**

<table>
<thead>
<tr>
<th>Format</th>
<th>Catalog Number</th>
<th>Description</th>
<th>Dilution</th>
<th>Diluent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concentrate</td>
<td>ACA 054 A, C</td>
<td>0.1, 1.0 mL</td>
<td>1:100</td>
<td>Van Gogh Yellow</td>
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<tr>
<td>Predilute</td>
<td>APA 054 AA</td>
<td>6.0 mL</td>
<td>Ready-to-use</td>
<td>N/A</td>
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<tr>
<td>ONCORE Pro</td>
<td>OPAA 054 T60</td>
<td>60 tests</td>
<td>Ready-to-use</td>
<td>N/A</td>
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<tr>
<td>Q Series</td>
<td>ALA 054 G7</td>
<td>7.0 mL</td>
<td>Ready-to-use</td>
<td>N/A</td>
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</tbody>
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**References:**