1. Product characteristics

Antibody Type
Polyclonal antibody from sheep

Specificity
The polyclonal antibodies from sheep show 100% reactivity with digoxigenin and digoxin, but no cross-reactivity with other steroids, such as human estrogens (e.g., estradiol) or androgens (e.g., testosterone).

Antibody Production
After immunization with digoxigenin the sheep IgG is purified by ion exchange chromatography and the specific IgG is isolated by immunosorption.

Storage/Stability
The lyophilized antibody is stable at +2 to +8°C until the expiration date printed on the label.

2. Antibody Reconstitution

Contents of Lyophilizate
The lyophilizate contains 5% Raffinose, 10 mM potassium phosphate buffer, 75 mM NaCl, 0.01% MIT.

Reconstitution
Dissolving the lyophilizate in 1 ml PBS (Phosphate buffered saline) results in a concentration of 200 μg antibody/ml.

3. Antibody Application and Detection

Handling Instruction
Centrifuge antibody for 5 min at 10,000 rpm prior to each use, and pipet the necessary amount carefully from the surface.

Application
The antibody is used for the detection of digoxigenin-labeled compounds, for example digoxigenin-labeled proteins and nucleic acids in different detection systems. The antibody is not stabilized with protein and can therefore be used for coating and labeling purposes.

Application Dilution Conc. [μg/ml] Sufficient for...
in situ hybridization 1:500 – 1:1,000 0.2 – 0.4
Immunoblotting 1:100 – 1:400 0.5 – 2 8 - 40 blots with 10 ml incubation volume
Western blot 1:100 – 1:400 0.5 – 2 2,000 – 8,000 sections
Immunohistochemistry 1:100 – 1:400 0.5 – 2
ELISA (capture antibody) 1:50 – 1:100 2 – 4 250 – 500 tests

Antibody Detection
The detection of the bound antibody can be realized by an anti-sheep conjugate.

Related Products

<table>
<thead>
<tr>
<th>Single Reagents</th>
<th>Pack size</th>
<th>Cat. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anti-Digoxigenin (mouse-IgG)</td>
<td>100 μg</td>
<td>11 333 062 001</td>
</tr>
<tr>
<td>Anti-Digoxigenin Fab fragments</td>
<td>1 mg</td>
<td>11 214 667 001</td>
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<tr>
<td>from sheep</td>
<td></td>
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<tr>
<td>Anti-Digoxigenin-AP Fab fragments from sheep</td>
<td>150 U</td>
<td>11 093 274 001</td>
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<tr>
<td></td>
<td>200 μl</td>
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</tbody>
</table>

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