For life science research only.
Not for use in diagnostic procedures.

Anti-Digoxigenin
from sheep

Version: 17
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For the detection of digoxigenin-labeled compounds.
Lyophilizate

Cat. No. 11 333 089 001 200 µg

Store the lyophilizate at +2 to +8°C.

1. General Information

1.1. Contents

Vial / Bottle	Label	Content
1	Anti-Digoxigenin polyclonal antibody, immunoglobulin	1 vial, 200 µg

1.2. Storage and Stability

Storage Conditions (Product)

When stored at +2 to +8°C, the lyophilizate is stable through the expiry date printed on the label.

Vial / Bottle	Label	Function / Description	Storage
1	Anti-Digoxigenin polyclonal antibody, immunoglobulin	Contains 5% raffinose, 10 mM potassium phosphate buffer, 75 mM NaCl, 0.01% MIT.	Store at +2 to +8°C.

Reconstitution

Dissolve the lyophilizate in 1 ml PBS (phosphate buffered saline); this results in a concentration of 200 µg antibody/ml.
The reconstituted antibody solution is stable for up to 6 months at +2 to +8°C. The solution can also be stored in aliquots at −15 to −25°C.
⚠ ***Avoid repeated freezing and thawing.***

1.3. Application

The antibody is used for the detection of digoxigenin-labeled compounds, such as digoxigenin-labeled proteins and nucleic acids in different detection systems.
Applications include:
- *In situ* hybridizations
- Immunoblotting (western blotting)
- Immunohistochemistry
- ELISA

⚠ ***The antibody is not stabilized with protein and is therefore suitable for coating and labeling purposes.***

2. How to Use this Product

2.1. Before you Begin

Safety Information

Laboratory procedures

- Handle all samples as if potentially infectious, using safe laboratory procedures. As the sensitivity and titer of potential pathogens in the sample material varies, the operator must optimize pathogen inactivation by the Lysis / Binding Buffer or take appropriate measures, according to local safety regulations.
- Do not eat, drink or smoke in the laboratory work area.
- Do not pipette by mouth.
- Wear protective disposable gloves, laboratory coats and eye protection, when handling samples and kit reagents.
- Wash hands thoroughly after handling samples and reagents.

Waste handling

- Discard unused reagents and waste in accordance with country, federal, state, and local regulations.
- Safety Data Sheets (SDS) are available online on dialog.roche.com, or upon request from the local Roche office.

2.2. Parameters

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).

Working Concentration

Handling Instructions

Centrifuge the antibody for 5 minutes at 10,000 rpm prior to each use. Always pipette the necessary amount carefully from the surface.

Preparation of Antibody Dilution

The working concentration of antibody depends on the application. The following concentrations should be taken as a guideline:

Application	Dilution	Concentration [µg/ml]	Sufficient for
In situ hybridization	1:500 – 1:1,000	0.2 – 0.4	–
Immunoblotting (western blot)	1:100 – 1:400	0.5 – 2	8 – 40 blots with 10 ml incubation volume
Immunohistochemistry	1:100 – 1:400	0.5 – 2	2,000 – 8,000 reactions
ELISA	1:50 – 1:100	2 – 4	250 – 500 tests

Detect the bound antibody using an anti-sheep conjugate.

3. Additional Information on this Product

3.1. Test Principle

Antibody Production

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

Antibody Type

Polyclonal antibody from sheep.

4. Supplementary Information

4.1. Conventions

To make information consistent and easier to read, the following text conventions and symbols are used in this document to highlight important information:

Text convention and symbols	
Information Note: Additional information about the current topic or procedure.	
Important Note: Information critical to the success of the current procedure or use of the product.	
① ② ③ etc.	Stages in a process that usually occur in the order listed.
❶ ❷ ❸ etc.	Steps in a procedure that must be performed in the order listed.
* (Asterisk)	The Asterisk denotes a product available from Roche Diagnostics.

4.2. Changes to previous version

Layout changes.
Editorial changes.
Update to include new safety Information to ensure handling according controlled conditions.

4.3. Trademarks

All product names and trademarks are the property of their respective owners.

4.4. License Disclaimer

For patent license limitations for individual products please refer to:
List of biochemical reagent products.

4.5. Regulatory Disclaimer

For life science research only. Not for use in diagnostic procedures.

4.6. Safety Data Sheet

Please follow the instructions in the Safety Data Sheet (SDS).

4.7. Contact and Support

To ask questions, solve problems, suggest enhancements or report new applications, please visit our **Online Technical Support Site**.

To call, write, fax, or email us, visit **sigma-aldrich.com**, and select your home country. Country-specific contact information will be displayed.

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Roche Diagnostics GmbH
Sandhofer Strasse 116
68305 Mannheim
Germany