

Product Information

Anti-Digoxin antibody, Mouse monoclonal
clone DI-22, purified from hybridoma cell culture

Product Number **SAB4200669**

Product Description

Anti-Digoxin (mouse IgG1 isotype) is derived from the hybridoma DI-22 produced by the fusion of mouse myeloma cells and splenocytes from BALB/c mice immunized with Digoxin conjugated to KLH. The isotype is determined by ELISA using Mouse Monoclonal Antibody Isotyping Reagents, Product Number ISO2. The antibody is purified from culture supernatant of hybridoma cells.

Anti-Digoxin is specific for digoxin and digoxin-labeled compounds, and shows strong cross-reactivity with digoxigenin. The antibody may be used in various immunochemical techniques including ELISA, dot blot, flow cytometry,^{1,4} Immunofluorescence,⁴ DNA hybridization² and *in-situ* hybridization (ISH).^{3,6}

This antibody may be used to detect digoxin-labeled compounds such as oligonucleotides, antibodies, or peptides. The use of these labeled compounds and corresponding conjugated antibodies have been shown for the detection of viruses and bacterial infections in human diagnostics, tumor markers, histocompatibility antigens in transplantation analytics causative research (e.g., in autoimmune diseases), characterization of lymphoid cell subpopulations (e.g., during treatment of lymphomas), determination of genetic defects or genetic defect predispositions (e.g., Alzheimer's disease), and nucleic acid diagnostics.¹⁻⁶

Reagent

Supplied as a solution in 0.01 M phosphate buffered saline pH 7.4, containing 15 mM sodium azide as a preservative.

Antibody Concentration: ~ 1.0 mg/mL

Precautions and Disclaimer

For R&D use only. Not for drug, household, or other uses. Please consult the Safety Data Sheet for information regarding hazards and safe handling practices.

Storage/Stability

For continuous use, store at 2–8 °C for up to one month. For extended storage, freeze in working aliquots. Repeated freezing and thawing is not recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use. Working dilution samples should be discarded if not used within 12 hours.

Product Profile

ELISA (indirect): a working concentration of 0.15-0.3 µg/ml is determined using plates coated with 10 µg/ml purified digoxin-BSA conjugate and 0.3-0.6 µg/ml is determined using plates coated with 10 µg/ml purified digoxigenin-transferrin.

Note: In order to obtain best results in different techniques and preparations we recommend determining optimal working concentration by titration test.

References

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4. Csaba, G., et al., *Cell Biol. Int.*, **28**, 487-490 (2004).
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RC,DR_LV,GG,AI,PHC 04/21-1