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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Digoxigenin B [Clone 2] Standard Size Ab03497-10.0

This full-length reformatted human antibody was made using the variable domain sequences of the original Human scFv format for improved compatibility with existing reagents assays and techniques.

Isotype and Format: Human IgG1, Lambda

Clone Number: Clone 2

Alternative Name(s) of Target: Digoxigenin; DigB; DOG; ChEBI: 42098; CAS:1672-46-4

UniProt Accession Number of Target Protein:

Published Application(s): ELISA

Published Species Reactivity: Species independent

Immunogen: The original antibody was isolated from a IgM-derived phage antibody library created from the peripheral blood lymphocytes of 20 non-immunized donors. The specific clone was isolated by panning the library against digoxigenin.

Specificity: This antibody is specific for digoxigenin A. Digoxigenin (DIG) is a hydroxy steroid that consists of 5beta-cardanolide, found exclusively in the flowers and leaves of the plants *Digitalis purpurea*, *Digitalis orientalis* and *Digitalis lanata*. It is a hapten, a small molecule with high antigenicity, that is used in many molecular biology applications.

Application Notes: The binding specificity of this antibody for digoxigenin was checked using ELISA. This antibody was able to bind digoxigenin coupled by a methylcarbonyl (Dig-Met) or succinyl (Dig-Suc) type linker to BSA. The presence of Dig-dUTP conjugate resulted in competitive inhibition on binding of this antibody to digoxigenin coupled with methylcarbonyl (Dig-Met) linked to BSA (PMID: 9305722).

Antibody First Published in: Dörsam et al. Antibodies to steroids from a small human naive IgM library. *FEBS Lett.* 1997 Sep 1;414(1):7-13. [PMID:9305722](#)

Note on publication: Describes the generation of antibodies against steroids from a human naive IgM library.

Product Form

Size: 100 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -

20°C.

Concentration: 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.