

HRP-conjugated Digoxin Rabbit mAb

Catalog No.: A24114 **Recombinant**

Basic Information

Observed MW

Refer to figures

Calculated MW

Category

Primary antibody

Applications

DB, ELISA

Cross-Reactivity

Species independent

CloneNo number

ARC50289

Conjugate

HRP

Background

Digoxin is a cardiac glycoside. Digoxin inhibits the sodium potassium adenosine triphosphatase (ATPase) pump, thereby increasing intracellular calcium and enhancing cardiac contractility. This agent also acts directly on the atrioventricular node to suppress conduction, thereby slowing conduction velocity. Apparently due to its effects on intracellular calcium concentrations, digoxin induces apoptosis of tumor cells via a pathway involving mitochondrial cytochrome c, caspases 8 and 3.

Recommended Dilutions

DB 1:500 - 1:3000

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

Swiss Prot

Immunogen

Chemical compounds corresponding to Digoxin.

Synonyms

Digoxin; HRP-conjugated Digoxin

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

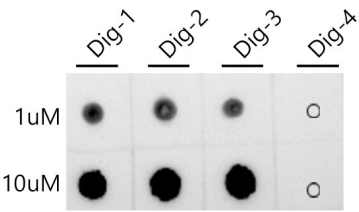
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



The HRP-conjugated Digoxin Rabbit mAb (A24114) are tested in Dot Blot against digoxin labelled oligonucleotide(Dig-1-Dig-2 and Dig-3) and unlabelled oligonucleotide(Dig-4) .

Dig-1
5'AGCTAAC/T(Digoxin)/ACTAGCT(Bition)3'
Dig-2
5'(Digoxin)AGCTAACTACTAGCT(Bition)3'
Dig-3
5'(Bition)AGCTAACTACTAGCT(Digoxin)3'
Dig-45'AGCTAACTACTAGCT(Bition)3'