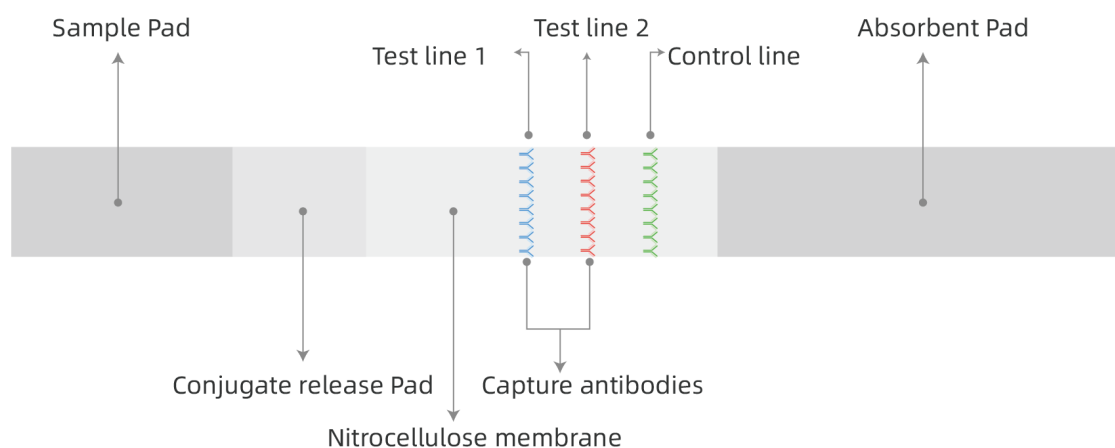




Small Nucleic Acid Labeling Molecules mAb for NALF Assay

Nucleic Acid Lateral Flow (NALF) assay is a universal tool for simple and quick detection of nucleic acid sequences. The target nucleic acid was amplified and labeled with fluorescein (FITC/FAM), Digoxigenin (DIG), or biotin by LAMP or PCR. Signal originates from a sandwich hybridization occurring at the test line where the FITC and DIG labeling amplified products can bind with the capture antibodies, and free DNA probe is commonly immobilized by a terminal control line. As in lateral flow immunoassays, signaling moieties can be oligonucleotide-decorated gold or latex particles, or simply a fluorescent dye that modifies the tag sequence.



ABclonal is a company providing high-quality research tool for life science. Our catalog covers antibodies, molecular biology reagents, and CRO customized services. Our single B cell recombinant rabbit monoclonal antibody development platform has significant advantages in the development of antibodies to small molecule haptens such as FITC, Digoxigenin and other nucleic acid labeling molecules. Antibodies need to be used in large quantities in nucleic acid lateral chromatography technology. ABclonal has successfully developed rabbit monoclonal antibody products that suit for the application.

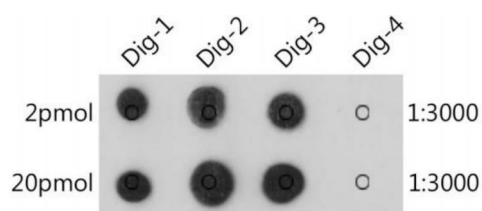
ABclonal Recommended Antibodies for Nucleic Acid Lateral Flow (NALF) Assay

Target	Cat.No.	Product Name
Digoxigenin, DIG	A20267	Digoxin Rabbit mAb
Fluorescein, FITC	A20797	Fluorescein FITC Rabbit mAb
Biotin	A20684	Biotin Rabbit mAb

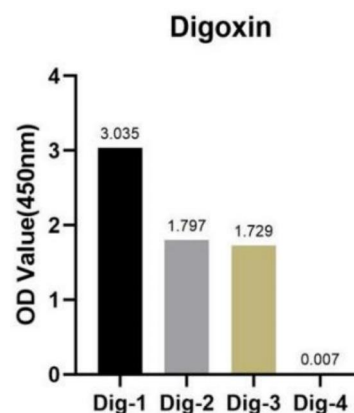


Validation Data

A20267 | Digoxin Rabbit mAb

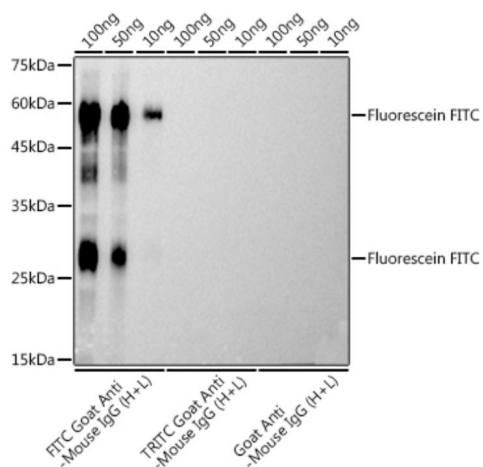


The Digoxin rabbit monoclonal antibody (A20267) are tested in Dot Blot against digoxin labelled oligonucleotide(Dig-1, Dig-2 and Dig-3) and unlabelled oligonucleotide(Dig-4).



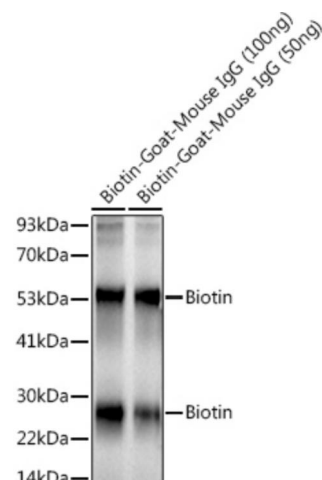
The Digoxin rabbit monoclonal antibody (A20267) are tested in ELISA against digoxin labelled oligonucleotide(Dig-1, Dig-2 and Dig-3) and unlabelled oligonucleotide(Dig-4).

A20797 | Fluorescein FITC Rabbit mAb



"The Fluorescein FITC rabbit monoclonal antibody (A20797) are tested in Western blot against FITC Goat Anti-Mouse IgG (H+L), TRITC Goat Anti-Mouse IgG (H+L) and Goat Anti-Mouse IgG (H+L).

A20684 | Biotin Rabbit mAb



Western blot analysis of extracts of various cell lines, using Biotin antibody (A20684) at 1:1000 dilution.