

# Antibody pairs for identifying SARS-CoV-2 N protein

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## IP Status

know-how

## Abstract

In this invention, we describe molecular engineering methods to enhance FRIL's antiviral effect and decrease antigenicity, and molecular cloning of FRIL to engineer specific sites for easier enzyme cleavage.

## Technological Advantages

- The antibody screening is in-vitro system which can produce multiple antibodies at the same time.
- The screening system is optimized for lateral flow devices.
- Antibodies can be further optimized if necessary.

## Applications of Technology

- Lateral flow immunoassay for detecting SARS-CoV-2 N protein
- Combination of rapid test kits for upper respiratory tract infection (corona virus and influenza virus, for example).

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