Detect neutralizing Antibodies (nAbs) against SARS-CoV-2 in just 1 hour

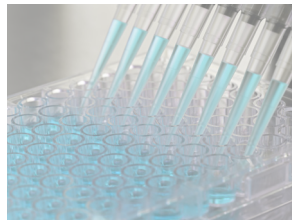## PhoenixDx® SARS-CoV-2 Neutralizing Antibody Test Kit

Neutralizing antibodies (nAbs) are antibodies that block SARS-CoV-2 from infecting the host cell and therefore are an important factor to evaluate the immune status of a patient after vaccination or recovery from COVID-19.

With PhoenixDx® SARS-CoV-2 Neutralizing Antibody Test Kit you can test serum or plasma for the presence of nAbs with a quick & easy ELISA assay in 1 hour.

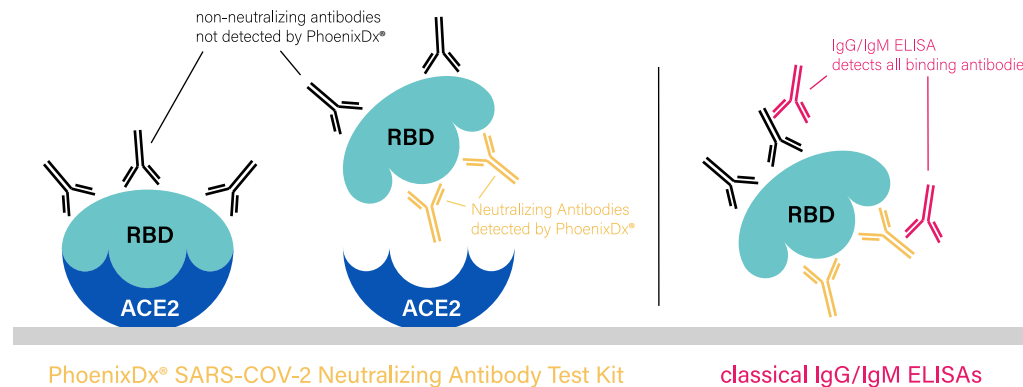## PhoenixDx® SARS-CoV-2 Neutralizing Antibody Test   Application

- well-established ELISA Assay System
- works with standard laboratory equipment
- easy to execute
- easy to analyze
- fast - 96 reactions in 1 h

- detects nAbs in the serum of vaccinated people
- detects nAbs in the serum of people recovering from COVID-19
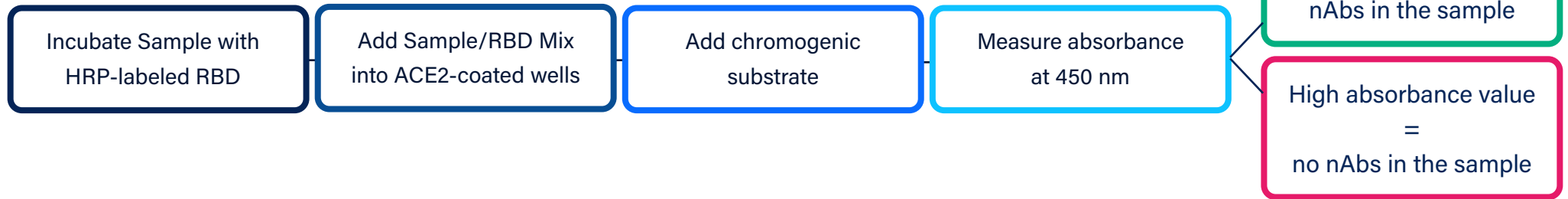- for use with serum or plasma samples

While regular ELISA Assays detect the entirety of anti-SARS-CoV-2 antibodies, PhoenixDx® SARS-CoV-2 Neutralizing Antibody Test Kit detects very specifically only those that prevent the interaction between the receptor binding domain of SARS-CoV-2 spike protein (**RBD**) and the host cell receptor (**ACE2**).

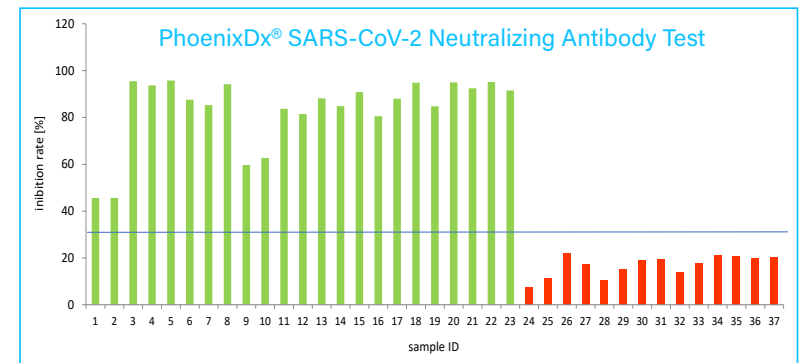non-neutralizing antibodies not detected by PhoenixDx®

RBD

RBD

Neutralizing Antibodies detected by PhoenixDx®

ACE2

ACE2

IgG/IgM ELISA detects all binding antibodies

RBD

PhoenixDx® SARS-COV-2 Neutralizing Antibody Test Kit   classical IgG/IgM ELISAs

Use and analysis of PhoenixDx® SARS-CoV-2 Neutralizing Antibody Test Kit is as easy as an regular ELISA assay:

Incubate Sample with HRP-labeled RBD → Add Sample/RBD Mix into ACE2-coated wells → Add chromogenic substrate → Measure absorbance at 450 nm

Low absorbance value
=
nAbs in the sample

High absorbance value
=
no nAbs in the sample

Performance Data

The performance of PhoenixDx® SARS-CoV-2 Neutralizing Antibody Test Kit was evaluated using the WHO's Anti-SARS-CoV-2 Verification Panel for Serology Assays, NIBSC Code 20/B770, as at 22/09/2020. All samples of the Verification Panel were tested correctly (23 positive and 14 negative samples). Comparison to a competitor product showed identical detection of positive and negative samples.

PhoenixDx® SARS-CoV-2 Neutralizing Antibody Test

inhibition rate [%] vs *sample ID* (1–37)

Contact and Ordering

	Tests	Catalage Number
PhoenixDx® SARS-CoV-2 Neutralizing Antibody Test Kit (ELISA)	96 Tests	PCCSKU18005

For ordering PhoenixDx® SARS-CoV-2 Neutralizing Antibody Test Kit and related products, contact us at

sales@procomcure.com