



## STATEMENT

Spike glycoprotein exist on the surface of novel coronavirus and easily mutated such as Alpha variant (B.1.1.7), Beta variant (B.1.351), Gamma variant (P.1), Delta variant (B.1.617), Omicron variant (B.1.1.529), Omicron variant( XBB1.5) and so on.

The viral nucleocapsid is composed of nucleocapsid protein (N protein for short) and RNA. The N protein is relatively stable, the largest proportion in viral structural proteins and high sensitivity in detection.

Based on the features of N protein, Monoclonal antibody of N protein against novel coronavirus was chosen in the development and design of our product named 'SARS-CoV-2 Antigen Rapid Test (Colloidal Gold)' that is intended for the qualitative detection of SARS-CoV-2 Antigen in nasal swab specimens in vitro through the detection of N protein.

That is to say, the current spike glycoprotein mutant strain including XBB1.5 don't affect the test result.

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