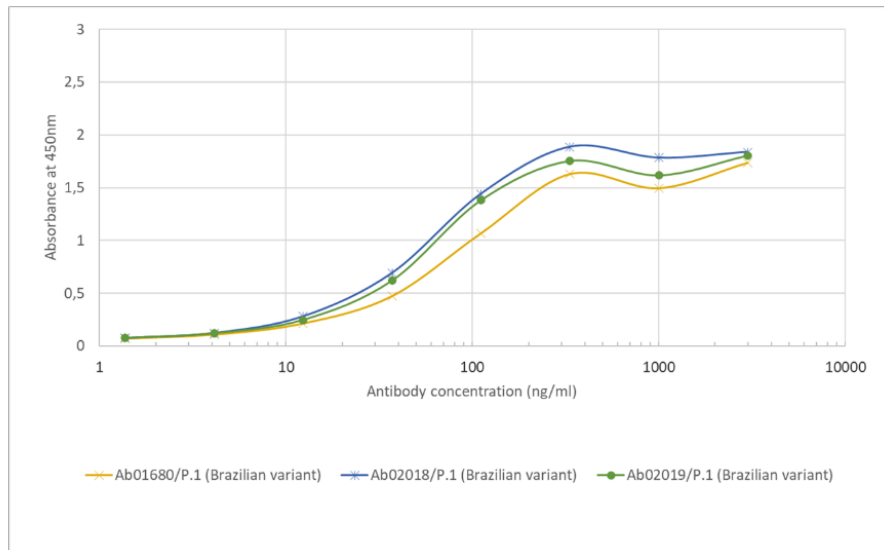
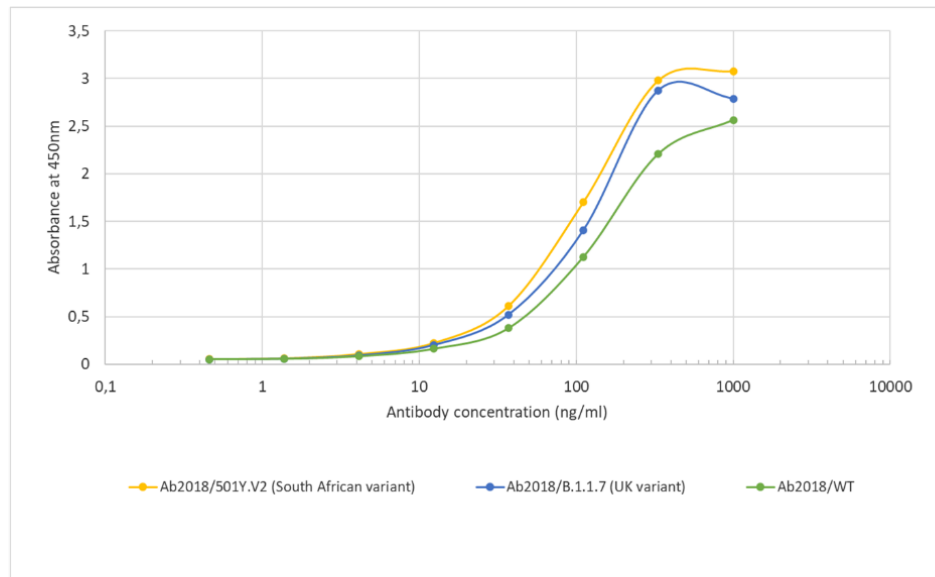


## Binding of the antibodies CR3022 (Ab01680), CV1 (Ab02018) and CV30 (Ab02019) to the Brazilian SARS-Cov-2 mutant Spike protein (B1.1.24 / P.1)



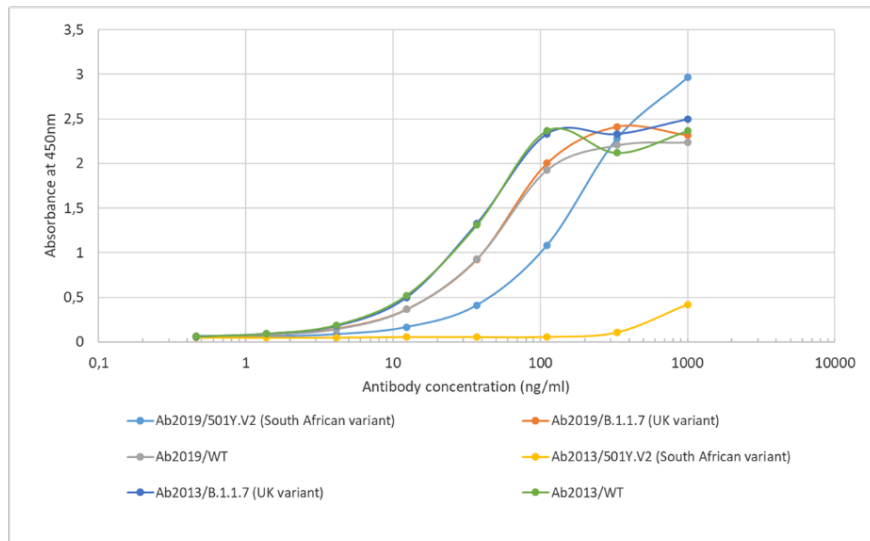
**Fig.1** ELISA using the antibodies CR3022 (Ab01680), CV1 (Ab02018) and CV30 (Ab02019) with the Brazilian mutant Spike protein (B1.1.24 / P.1). The plate was coated with the Brazilian mutant Spike protein (The Native Antigen Company) at 2.5 µg/ml. The antibodies were conjugated to HRP and titrated on a 3-fold serial dilution starting at 3,000 ng/ml.

## Binding of the antibody CV1 (Ab02018) to the mutant SARS-CoV-2 Spike proteins – UK variant (B.1.1.7) and South African (B.1.351 (501Y.V2))



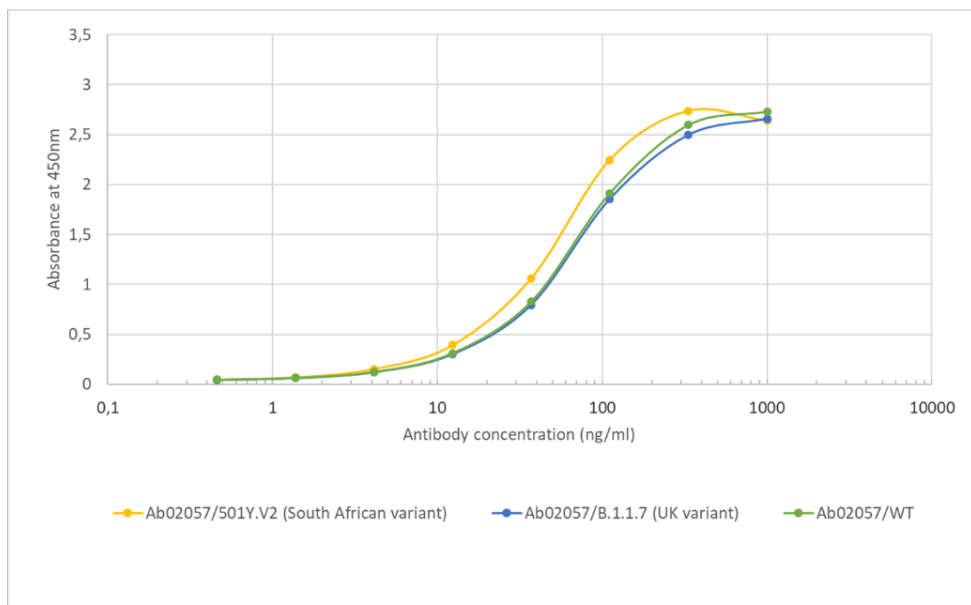
**Fig.2** ELISA using CV1 (Ab02018) with the UK and South African mutant Spike proteins. The plate was coated with the mutant Spike proteins (The Native Antigen Company) at 2.5 µg/ml. Ab02018 was conjugated to HRP and titrated on a 3-fold serial dilution starting at 1,000 ng/ml.

### Binding of the antibodies Sb#15 (Ab02013) and CV30 (Ab02019) to the mutant SARS-CoV-2 Spike proteins - UK variant (B.1.1.7) and South African (B.1.351 (501Y.V2))



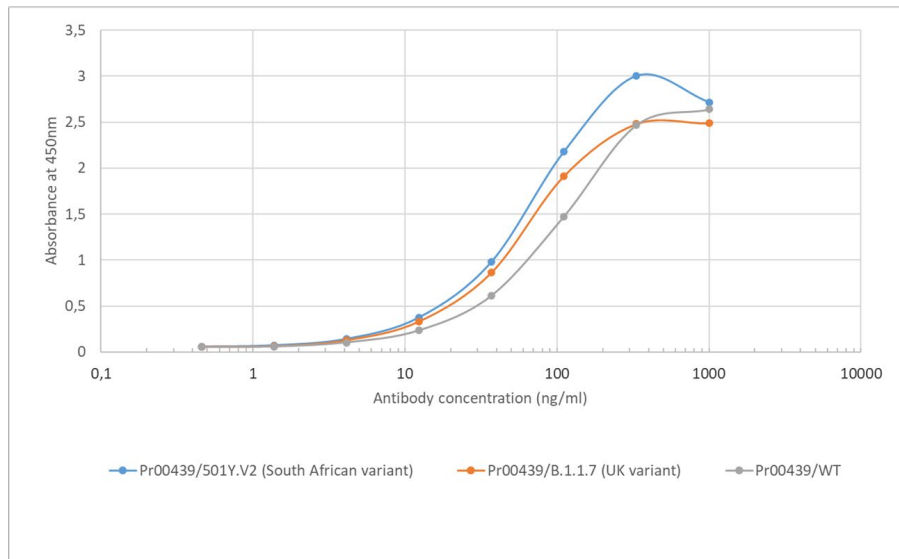
**Fig.3** ELISA using Sb#15 (Ab02013) as well as CV30 (Ab02019) with the UK and South African mutant Spike proteins. The plate was coated with the mutant Spike proteins (The Native Antigen Company) at 2.5 µg/ml. Ab02013 and Ab02019 were conjugated to HRP and titrated on a 3-fold serial dilution starting at 1,000 ng/ml. Ab02013 failed to bind the South African variant.

### Binding of the antibody EY6A (Ab02057) to the mutant SARS-CoV-2 Spike proteins – UK variant (B.1.1.7) and South African (B.1.351 (501Y.V2))



**Fig.4** ELISA using EY6A (Ab02057) with the UK and South African mutant Spike proteins. The plate was coated with the mutant Spike proteins (The Native Antigen Company) at 2.5 µg/ml. Ab02057 was conjugated to HRP and titrated on a 3-fold serial dilution starting at 1,000 ng/ml.

## Binding of the Recombinant Human ACE2-IgG Fc (LALA)-Fusion Protein (Pr00439) to the mutant SARS-CoV-2 Spike proteins – UK variant (B.1.1.7) and South African (B.1.351 (501Y.V2))



**Fig.5 ELISA using Pr00439 with the UK and South African mutant Spike proteins.** The plate was coated with the mutant Spike proteins (The Native Antigen Company) at 2.5 µg/ml. Pr00439 was conjugated to HRP and titrated on a 3-fold serial dilution starting at 1,000 ng/ml.