

## DATA SHEET

**Protein Name:** Alpha Variant of Receptor Binding Domain (RBD) of SARS-CoV-2 spike protein

**Pango lineage:** B.1.1.7,

**Mutation:** N501YA570D

**Catalogue No:** GY-RBD-Alp

**Source:** recombinant expression in Human Embryonic Kidney, Expi293 cells

**Tags:** Maltose Binding Protein, His

**Purification:** cOmplete™ His-Tag Purification

**Molecular Weight:** 73890.37

**Theoretical PI:** 6.02

**Extinction Coefficient:** 103305

**Buffer:** PBS/ 20% glycerol

**Concentration:** 1 mg/ml measured using molecular weight and extinction coefficient

**Vol:** 14 uL

**Stability:** Long-term storage in aliquots at -80°C to -20°C recommended. Can freeze thaw up to 5 times with no loss of activity.

**Application:** For Research Use Only.

Suitable for use with Gen-Y Biologics Pte. Ltd. ImTracker MULTI Covid-19 Viral Variant

Neutralization Test. (Cat. GY-ImTM-RUO).

Alpha RBD

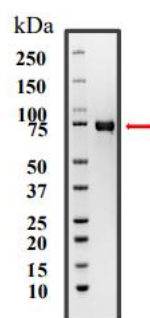


Fig. 1 SDS-PAGE reducing gel

Alpha RBD-ACE2 interaction

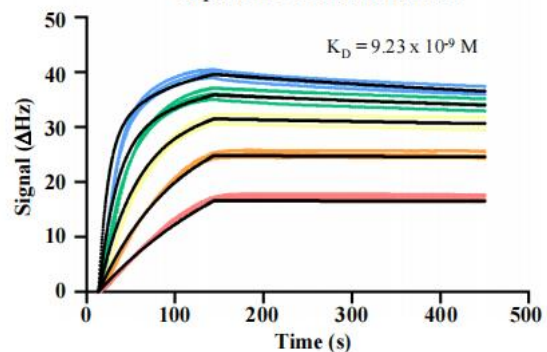


Fig. 2 Kinetic interaction with ACE2-Fc, by QCM