

SARS-COV-2 RBD (DM55) RABBIT MAB**Cat.#:** 28354**Product Name:** Anti-SARS-CoV-2 RBD(DM55) Rabbit Monoclonal Antibody**Synonyms:** SARS-CoV-2 RBD**Description:** Anti-SARS-CoV-2 RBD antibody(DM55) Rabbit Monoclonal Antibody

Background: SARS-CoV-2 (Severe Acute Respiratory Syndrome Coronavirus 2) also known as Covid19 (2019 Novel Coronavirus) is a virus that causes illnesses ranging from the common cold to severe diseases. The spike protein is a type I transmembrane protein containing two subunits; S1 and S2. S1 mainly contains a receptor binding domain (RBD); which accounts for recognizing the cell surface receptor; ACE2. S2 contains basic elements needed for the membrane fusion. Recent publications indicate that S1-RBD domain can induce virus neutralizing-antibody and T cell response.

Applications: ELISA; Flow Cyt**Recommended Dilutions:** ELISA 1:5000-10000; Flow Cyt 1:100**Host Species:** Rabbit**Isotype:** Rabbit IgG**Purification:** Purified from cell culture supernatant by affinity chromatography**Species Reactivity:** SARS-CoV-2 S protein RBD**Constituents:** Lyophilized from sterile PBS, pH 7.4. 5 % – 8% trehalose is added as protectants before lyophilization.**Storage & Shipping:** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).

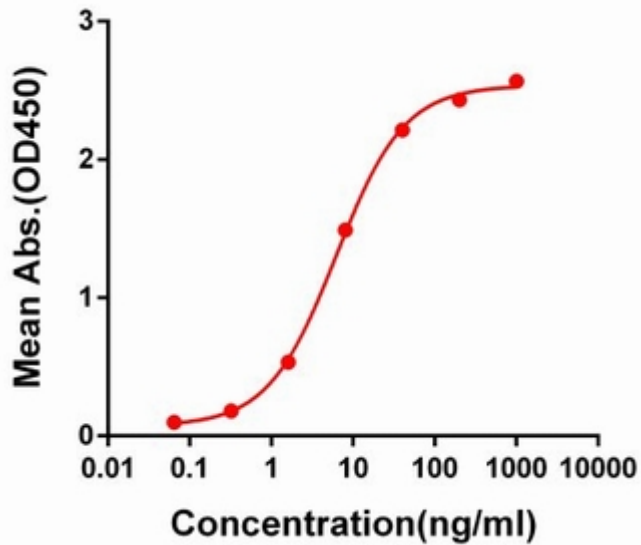


Figure 1. Elisa plate pre-coated by 2 $\mu\text{g/ml}$ (100 $\mu\text{l/well}$) SARS-CoV-2 RBD protein can bind Rabbit Anti-SARS-CoV-2 RBD monoclonal antibody (clone:DM55) in a linear range of 0.1-100 ng/ml.