

## SARS-COV-2 RBD (DM35) RABBIT MAB

**Cat.#:** 28324

**Product Name:** Anti-SARS-CoV-2 RBD(DM35) Rabbit Monoclonal Antibody

**Synonyms:** SARS-CoV-2 RBD

**Description:** Anti-SARS-CoV-2 RBD antibody(DM35) 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).

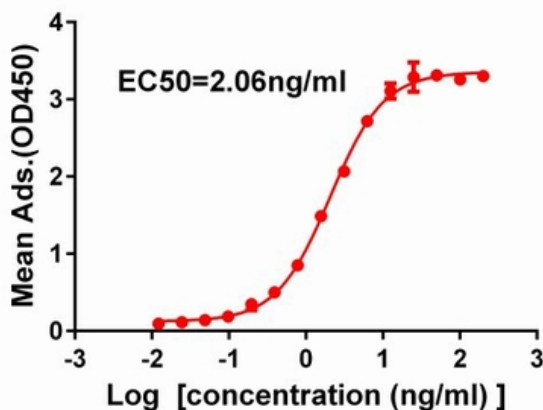


Figure 1. Elisa plate pre-coated by 2 µg/ml (100µl/well) SARS-CoV-2 RBD protein can bind Rabbit Anti-SARS-CoV-2 RBD monoclonal antibody ( clone:DM35) in a linear range of 0.19-200 ng/ml.

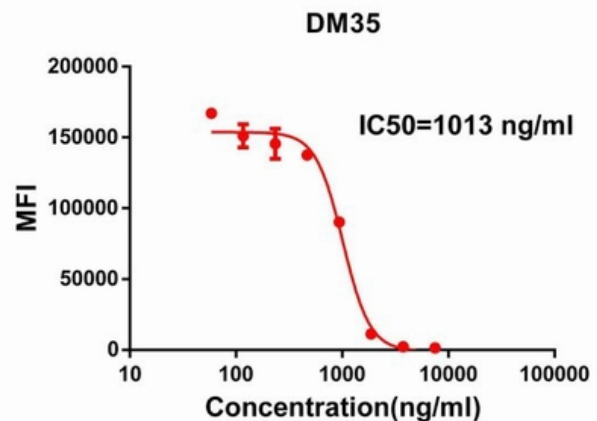


Figure 2. Competition flow cytometry assay demonstrating Rabbit anti-RBD monoclonal antibody ( clone: DM35) blockade of SARS-CoV-2 (COVID-19) S protein RBD (1µg/ml, [getskuurl sku=11301 binding to Expi 293 cell line transfected with human ACE2. IC50=1013ng/ml. The Y-axis represents the geometric mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.