SARS-COV-2 RBD (DM27) RABBIT MAB

Cat.#: 28311

Product Name: Anti-SARS-CoV-2 RBD(DM27) Rabbit Monoclonal Antibody

Synonyms: SARS-CoV-2 RBD

Description: Anti-SARS-CoV-2 RBD antibody(DM27) 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).

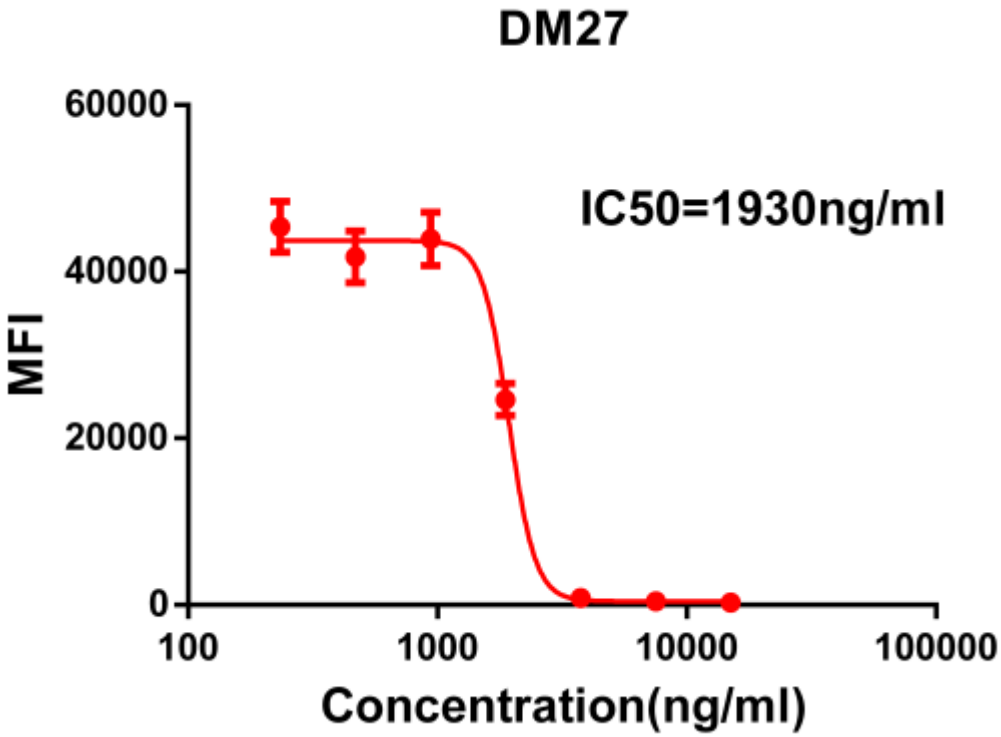

Figure 1. Competition flow cytometry assay demonstrating Rabbit anti-RBD monoclonal antibody (clone: DM27) blockade of SARS-CoV-2 (COVID-19) S protein RBD (1μg/ml, [getskuurl sku=11301 binding to Expi 293 cell line transfected with human ACE2. IC50=1930ng/ml. The Y-axis represents the geometric mean fluorescence intensity (MFI) while the X-axis represents the concentration of IgG used.