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Zuschläge

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- Trockeneiszuschlag
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Anti-RBD (SARS-CoV-2 Spike Protein) Monoclonal Antibody

CATALOG NUMBER: SCV2-RBD-01m, 100 µg

Introduction

The novel coronavirus (SARS-CoV-2), previously called 2019-nCoV, is a newly identified coronavirus causing the ongoing outbreak of atypical pneumonia in Wuhan China from late 2019.

The genome of SARS-CoV-2 has 89% nucleotide identity with bat SARS-like-CoVZXC21 and 82% with that of human SARS-CoV. The phylogenetic trees of their orf1a/b, Spike, Envelope, Membrane and Nucleoprotein also clustered closely with those of the bat, civet and human SARS coronaviruses. However, the external subdomain of Spike's receptor binding domain (RCB) of SARS-CoV-2 shares only 40% amino acid identity with other SARS-related coronaviruses.

Applications

Western blot (1:200-1:1000) and ELISA, May be used for other applications

Description

Mouse monoclonal anti-spike RBD domain (SARS-CoV-2) antibody

Immunogen

Spike protein of SARS-CoV-2 (Gene Accession#: MN908947)

Specificity

Reacts with RBD domain of spike protein from coronavirus SARS-CoV-2. Cross-reaction to RBD domain from other coronavirus not tested.

Purification

Affinity chromatography

Isotype

Mouse IgG1

Storage

Store at -20 ºC; Stable for 6-months from the date of shipment when kept at 4 ºC. Non-hazardous. No MSDS required.

Concentration

1 µg/µl in PBS with 40% glycerol

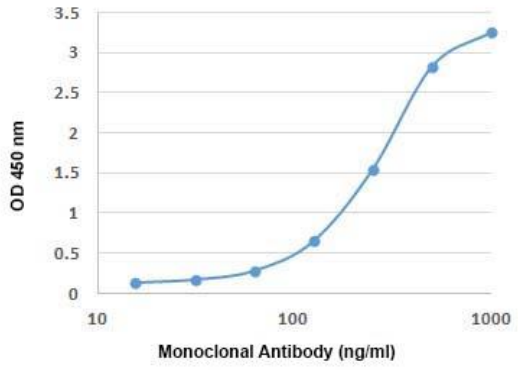

Figure 1. Titration curves of anti-spike RBD domain of SARS-CoV-2 mouse monoclonal antibody.
96-well corning EILSA plate was coated with SARS-CoV-2 spike RBD protein (Cat# SCV2-RBD-060P) at a concentration of 2 µg/ml.

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