

## DATASHEET

Version 20200414

### SARS-CoV-2 Spike protein (RBD, mFC Tag)

**Cat. No.:** Z03491-100; Z03491-1

**Size:** 100µg/ 1mg

**Synonyms:** SARS-CoV-2 SP RBD; 2019-nCoV SP RBD

**Source:** Human Cells

**Species:** SARS-CoV-2

**Biological Activity:** SARS-CoV-2 Spike protein (RBD, mFC Tag) can bind with Human ACE2 in functional ELISA assay.

**Molecular Weight:** Predicted molecular weight: 50 KD

**Tag:** mFC tag

**Formulation:** Liquid

**Purity:** > 85% as analyzed by SDS-PAGE

**Storage buffer:** PBS, pH 7.4

**Storage:** The product can be stored at -20°C or below. Avoid repeated freezing and thawing cycles. The shelf life of the product is unspecified.

**Description:**

SARS-CoV-2 (Severe Acute Respiratory Syndrome Coronavirus 2) also known as 2019-nCoV (2019 Novel Coronavirus) is a virus that causes illnesses ranging from the common cold to severe diseases. SARS-CoV-2 Spike Protein is composed of S1 domain and S2 domain. S1 contains a receptor-binding domain (RBD) that can specifically bind to angiotensin-converting enzyme 2 (ACE2), the receptor on target cells. It is believed that SARS-CoV-2 Spike Protein (RBD) has potential value for the diagnosis of the virus.

***For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.***