

## DATASHEET

Version 20200306

### SARS-CoV-2 Spike protein (S1)

**Cat. No.:** Z03501-100; Z03501-1

**Size:** 100µg / 1mg

**Synonyms:** SARS-CoV-2 S1 protein; 2019-nCoV S1 protein

**Source:** Human Cells

**Species:** SARS-CoV-2

**Biological Activity:** SARS-CoV-2 Spike protein (S1) can bind with Human ACE2 in functional ELISA assay.

**Molecular Weight:** Predicted molecular weight: 78.3 KD

**Tag:** tag-free

**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. S protein plays an important role in the induction of neutralizing-antibodies and T-cell responses, as well as protective immunity.

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