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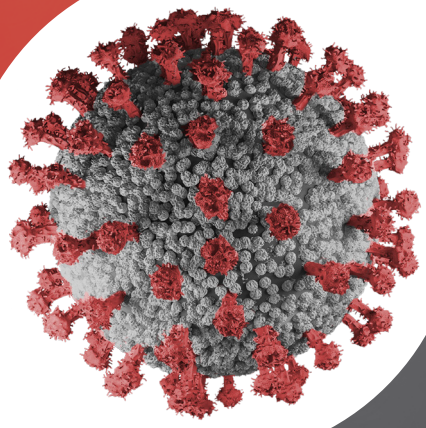
2019-nCoV Spike RBD-N Protein Chimera

Catalog No: C19NSD-G242H

The spike glycoprotein (S) of coronavirus belongs to the type I transmembrane protein containing two subunits, S1 and S2 (2), which is also known to be the key component to bind with host cells through the interaction with angiotensin-converting enzyme 2 (ACE2). SARS-CoV-2 N-protein is an RNA-binding protein primarily involved in binding to the viral RNA genome during packaging of viral RNA into a helical ribonucleoprotein or nucleocapsid structure important for viral replication/transcription. Both these viral proteins are potent antigens that provides the basis for future vaccine and diagnostic kit development. SignalChem's recombinant 2019-nCoV's N-terminal Spike S1 RBD (319-541) fused to Nucleocapsid (237-419) protein with a linker HSA (human serum albumin) was expressed in CHO cells using a C-terminal His tag.

Unique Selling Points

- Only one test required to test both S and N proteins
- Strong binding affinity to both Anti-S/N antibodies
- Activity determined using ELISA assay
- Effective biochemical tool for SARS-CoV-2 research



Competitors

R&D SYSTEMS a bio-techne brand

HCUSABIO®

SB Sino Biological Biological Solution Specialist

Target Customers

- Scientists developing targeted anti-S/N protein antiviral therapies
- Companies developing diagnostic tests
- Government research organizations
- Scientists studying SARS-COV-2 structure and mode of actions
- Universities investigating SARS-CoV-2