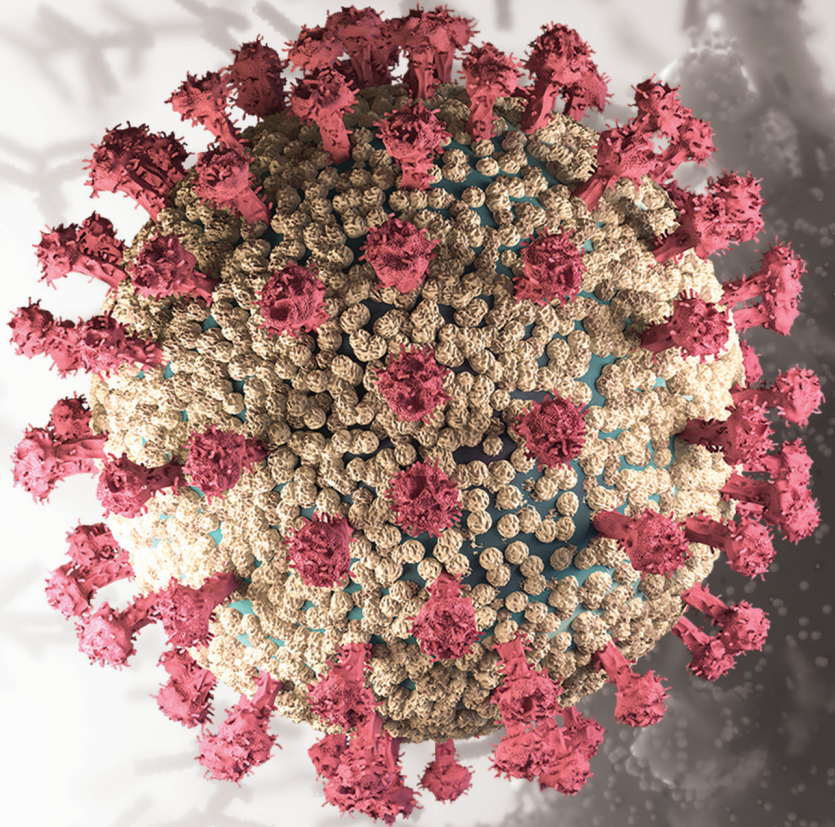




# COVID 19

## Signaling You to The Right Path

SignalChem Biotech Inc. is a Canadian company focused on the research, development, and production of innovative and high-quality human recombinant cell signaling products. SignalChem strives to support scientists in academia, pharma, and biotech companies around the world by creating effective COVID19 proteins, Elisa kits and antibodies to expedite research, antiviral drug discovery and vaccine therapies against the ongoing COVID19 pandemic.





## What We Are Good At

Our scientists manufacture active enzymes and novel assays following strict QC/QA standards using our state of the art manufacturing facility.



**In House Manufacturing**

**Superior Quality**

**Exceptional Team**



Catalog No: A51C2-G341F

### ACE2 (19-740) Protein

Recombinant human angiotensin-converting enzyme 2 (ACE2) extracellular domain (19-740) was expressed in CHO cells using a C-terminal Fc tag.



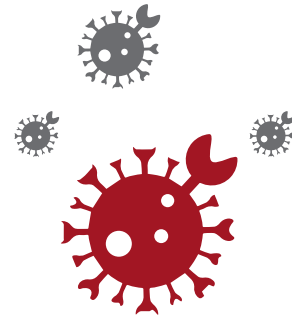
Biologically Active



Purity  
Approx 95%



Strong binding  
affinity to  
2019-nCoV  
spike protein



Catalog No: C19SD-G241F

### 2019-nCoV Spike Protein RBD, Fc Tag

Recombinant 2019-nCoV Spike protein S1 subunit, receptor-binding domain (RBD) (319-541) was expressed in CHO cells using a C-terminal Fc tag.



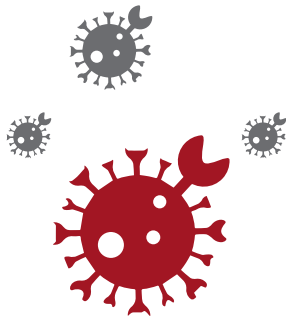
Well tested for its  
superior quality



Purity Approx  
90%



Effective tool  
for SARS-CoV-2  
research



Catalog No: C19SD-G241H

### 2019-nCoV Spike Protein RBD, HIS Tag

Recombinant 2019-nCoV Spike protein S1 subunit, receptor-binding domain (RBD) (319-541) was expressed in CHO cells using a C-terminal his tag.



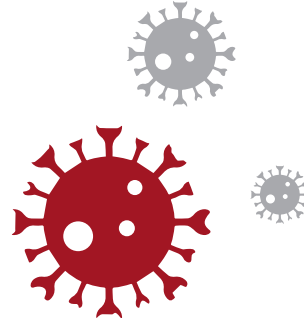
Fully functional  
estimated using  
FACS assay



Purity Approx  
90%



Strong binding  
affinity to human  
ACE2 protein



Catalog No: C19S1-G241F

### 2019-nCoV Spike Protein S1, Fc Tag

Recombinant 2019-nCoV Spike protein S1 (16-685) was expressed in CHO cells using a C-terminal Fc tag.



Well tested for its  
superior quality



Purity Approx  
95%



Effective biochemical  
tool for SARS-CoV-2  
research

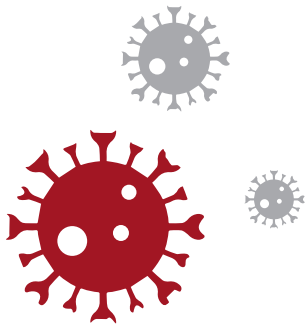
## Available Pack Sizes

\*For all Products (unless specified)



From as small as 5ug to Bulk order  
Inquire within for specific pricing.





Catalog No: C19S1-G241H

### 2019-nCoV Spike Protein S1, HIS Tag

Recombinant 2019-nCoV Spike protein S1 (16-685) was expressed in CHO cells using a C-terminal His tag.



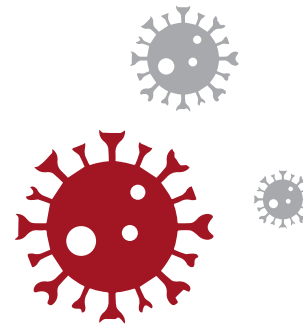
Activity measured using FACS assay



Purity Approx 90%



Strong Binding affinity to ACE2 and Anti-2019 nCoV S Antibody



Catalog No: C19NP-G242H

### 2019-nCoV Nucleocapsid (N) Protein

Recombinant full-length 2019-nCoV Nucleocapsid (N) Protein was expressed in E. coli cells with a C-terminal His tag.



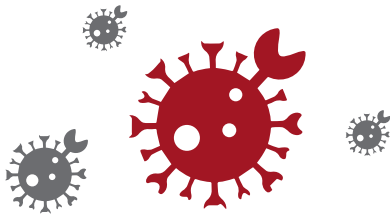
Activity determined using ELISA assay



Purity Approx 90%



Strong binding affinity to Anti N-protein antibody



Catalog No: C19NSD-G242H

### 2019-nCoV Spike Protein RBD N Protein Chimera

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.



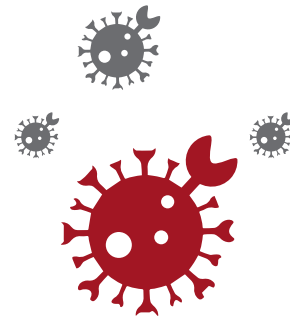
Only one test required to test both S and N proteins



Strong binding affinity to both Anti-S/N antibodies



Effective biochemical tool for SARS-CoV-2 research



Catalog No: C19RP-G241H

### 2019-nCoV RdRp, Active

Recombinant 2019-nCoV RNA-dependent RNA polymerase (RdRp) was expressed in E. coli cells using a C-terminal His tag.



Biologically active and fully functional



Purity detected >85% determined by densitometry



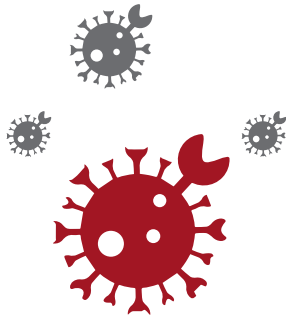
Effective for activity assays & inhibition profile studies

## Available Pack Sizes

\*For all Products (unless specified)



From as small as 5ug to Bulk order  
Inquire within for specific pricing.



Catalog No: C19CL-G241H

### 2019 nCoV 3CLpro, Active

Recombinant full-length 2019-nCoV 3CLpro, part of a large replicase polyprotein 1ab (S3264-Q3569), was expressed in E. coli cells with an N-terminal His tag.



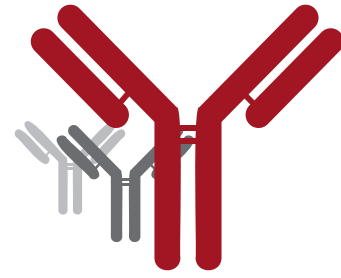
Protease Activity determined using proteolytic activity assay



Purity Approx 90%



Biologically active and fully functional



Catalog No: C19S1-A60H

### Anti 2019 nCoV Spike Protein hlgA Antibody

Recombinant Human Monoclonal IgA Antibody



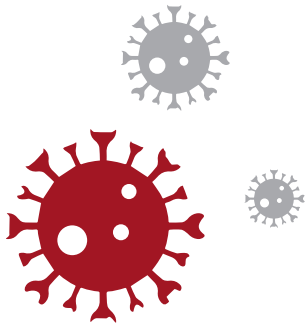
Suitable for ELISA Research



Ideal Application: ELISA assays



Biologically active and fully functional



Catalog No: C19S2-G241F

### 2019-nCoV Spike protein S2, Fc Tag

Recombinant 2019-nCoV Spike protein S2 (686-1212) was expressed in CHO cells using a C-terminal Fc tag.



Fully functional enzyme



Strong binding affinity to hACE2



QA/QC tested and certified

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