

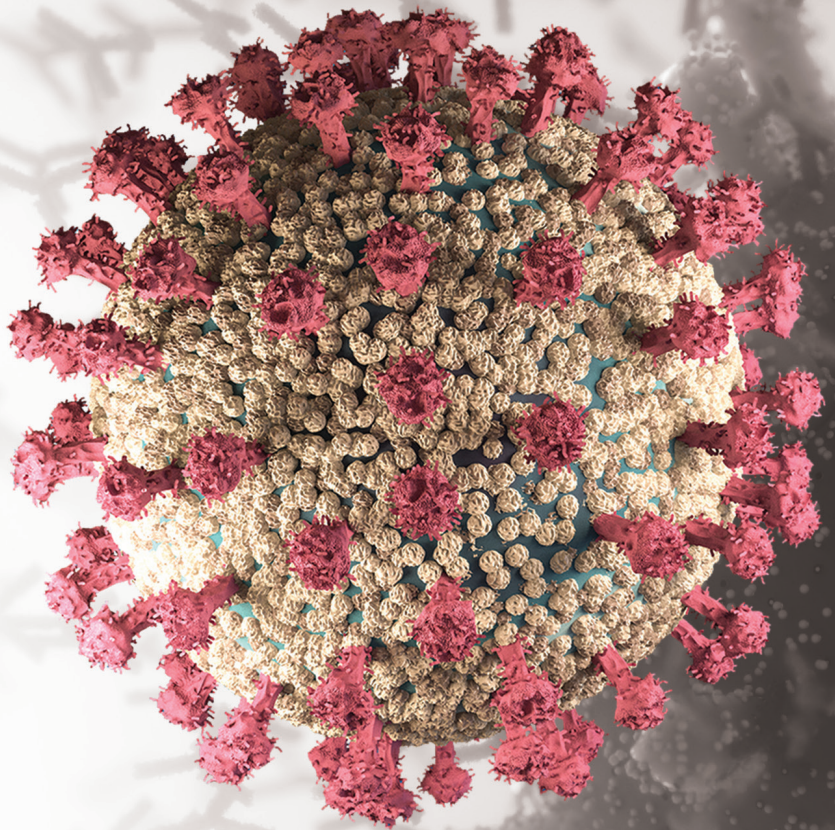
COVID-19

Mini-Catalog |

COVID19

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.



An illustration on an orange background showing a 96-well microplate, a pipette tip, and a pipette. The equipment is rendered in a stylized, 3D-like manner with soft shadows.

What We Are Good At

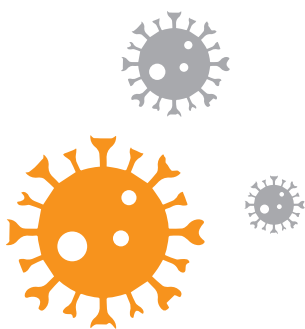
Our scientists manufacture active enzymes and novel assays following strict QC/QA standards using our state of the art manufacturing facility.

A grayscale photograph showing a close-up of a person's hands in a white lab coat and gloves. They are holding a pipette, with a blurred background of laboratory equipment.

In House Manufacturing

Superior Quality

Exceptional Team



Catalog No: C19S1-G231H

2019-nCoV Spike protein S1 (D614G)

Recombinant 2019-nCoV Spike protein S1 (D614G) (16-685) was expressed in CHO cells using a C-terminal His-tag.



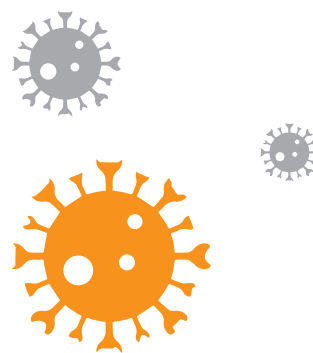
Suitable for
COVID19 research



Tested for
hACE2 binding



Tested for
anti-2019
nCoV antibody
binding



Catalog No: C19S1-G232H

2019-nCoV Spike protein S1 (P681H)

Recombinant 2019-nCoV Spike protein S1 (P681H) (16-685) was expressed in CHO cells using a C-terminal His-tag.



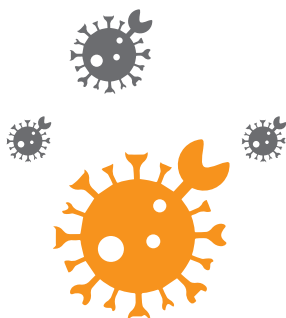
Fully functional
enzyme



Activity
determined by
functional ELISA



QA/QC tested for
superior quality



Catalog No: C19SD-G231H

2019-nCoV Spike protein RBD (N501Y)

Recombinant 2019-nCoV Spike protein S1 subunit, RBD (N501Y) (319-541) was expressed in CHO cells using a C-terminal His-tag.



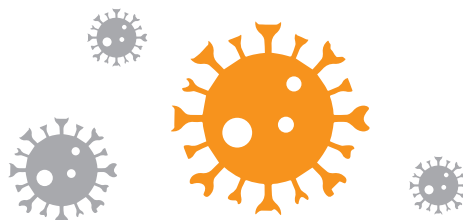
Tested for activity
using ELISA



Purity Approx
90%



Binding potency
for hACE2



Catalog No: C19S1-G238H

2019-nCoV Spike protein S1 (K417N, E484K, N501Y, D614G)

Recombinant 2019-nCoV Spike protein S1 (K417N, E484K, N501Y, D614G) (16-685) was expressed in CHO cells using a C-terminal His-tag.



Biologically active



Purity
Determined by
densitometry



QA/QC tested for
superior quality

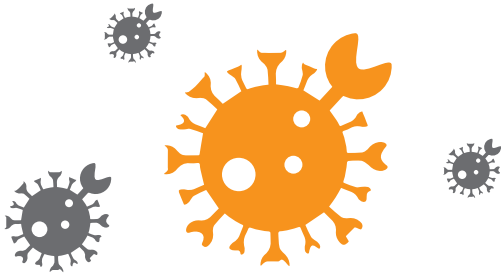
Available Pack Sizes

*For all Products (unless specified)



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

*Illustrations do not represent the actual structure of the product.



Catalog No: C19SD-G233H

2019-nCoV Spike protein RBD (N439K)

Recombinant 2019-nCoV Spike protein S1 subunit, RBD (N439K) (319-541) was expressed in CHO cells using a C-terminal His-tag.



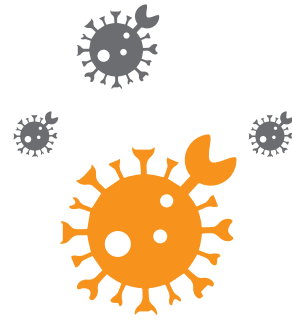
Biologically active



Effective
COVID19
research tool



QA/QC
tested for
superior quality



Catalog No: C19SD-G234H

2019-nCoV Spike protein RBD (Y453F)

Recombinant 2019-nCoV Spike protein S1 subunit, RBD (Y453F) (319-541) was expressed in CHO cells using a C-terminal His-tag.



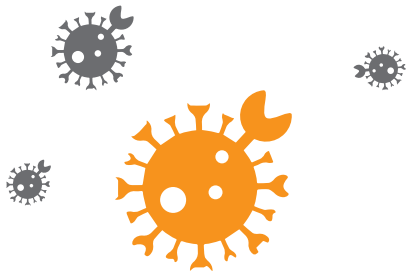
Fully functional
enzyme



Activity
determined by
functional ELISA



QA/QC
tested for
superior quality



Catalog No: C19SD-G235H

2019-nCoV Spike protein RBD (L452R)

Recombinant 2019-nCoV Spike protein S1 subunit, receptor-binding domain (RBD) (319-541) (L452R) was expressed in CHO cells using a C-terminal His-tag.



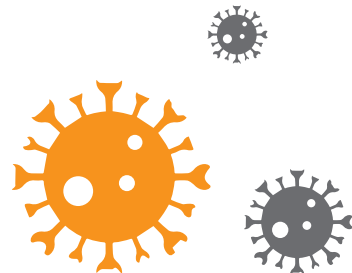
Effective for
Neutralizing
antibody research



Activity
determined by
functional ELISA



Strong binding
affinity
to hACE2



Catalog No: C19S1-G234H

2019-n-CoV Spike Protein S1 (Δ69-70) B.1.1.7 Alpha variant

Recombinant 2019-nCoV Spike protein S1 (Δ69-70) (16-685) was expressed in CHO cells using a C-terminal His-tag.



Biologically
active



Purity
Determined by
densitometry



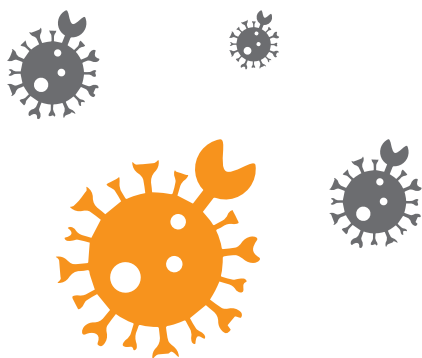
Strong binding to
hACE2

Available Pack Sizes

*For all Products (unless specified)



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



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.



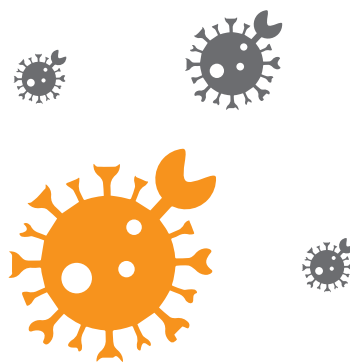
Highly Sensitive



Low Assay background



SignalChem manufactured



Catalog No: C19NSD-G242H

2019-nCoV Spike 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.



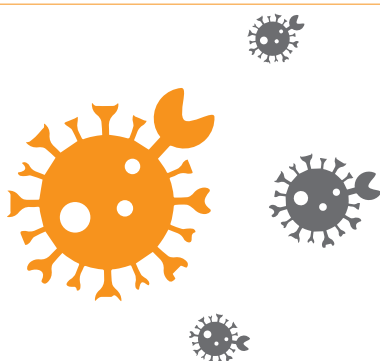
Highly Sensitive



Low Assay background



Detects Anti-S and Anti-N antibody



Catalog No: C19ND-G241H

2019-nCoV Nucleocapsid protein CTD

Recombinant 2019-nCoV Nucleocapsid (N) Protein C-terminal domain (237-419) was expressed in E. coli cells with a C-terminal His-tag.



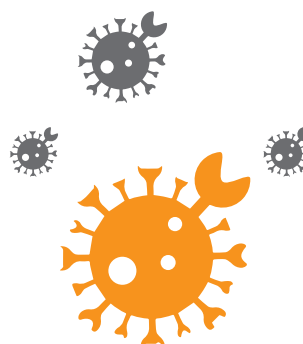
Highly Sensitive



Uniform results



Manufactured and tested by SignalChem



Catalog No: C19SD-G231H

2019-nCoV Spike protein RBD (N501Y)

Recombinant 2019-nCoV Spike protein S1 subunit, RBD (N501Y) (319-541) was expressed in CHO cells using a C-terminal His-tag.



Wide coverage



Various selections of Alpha, beta, gamma, delta and delta plus



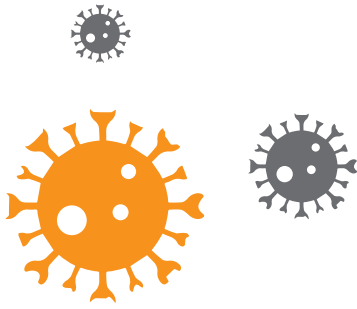
QA/QC tested for superior quality

Available Pack Sizes

*For all Products (unless specified)



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Inquire within for specific pricing.



Catalog No: C19S1-G239H

2019-nCoV Spike protein S1 ($\Delta 69-70, \Delta 144, N501Y, A570D, D614G, P681H$)

Recombinant 2019-nCoV Spike protein S1 subunit, RBD (N439K) (319-541) was expressed in CHO cells using a C-terminal His-tag.



Wide coverage

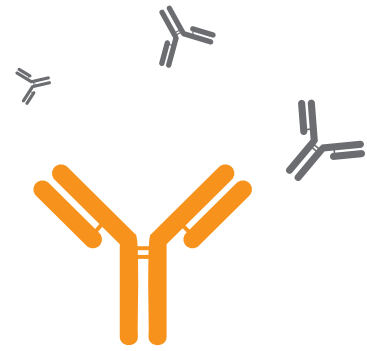


Various selections of Alpha, beta, gamma, delta and delta plus



NEW

Newer variants available



Catalog No: C19S1-61H / C19S1-60H

Anti 2019-nCoV Spike Protein hIgG Antibody

Recombinant Human Monoclonal Antibody.



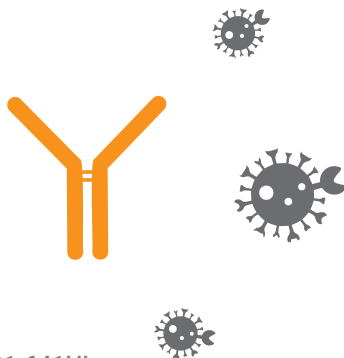
Recombinant human anti-nCoV antibodies



Variety of Immunoglobulins including IgA, IgG, IgM



Doesn't affect the binding of nCoV spike protein and hACE



Catalog No: C19S1-641HL

Anti 2019-nCoV Spike Protein Neutralizing Nanobody (NBX20010)

Recombinant Llama VHH-Human IgG Antibody for studying neutralization of SARS-CoV-2 and detection of 2019-nCoV Spike Protein.



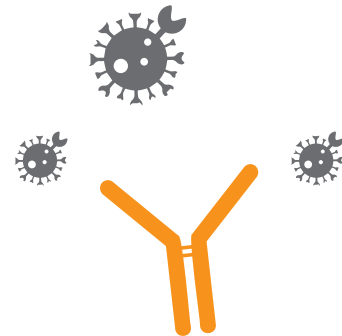
Variants specific neutralizing activity



High affinity



Large selection of nanobodies



Catalog No: C19S1-642HL

Anti 2019-nCoV Spike Protein Neutralizing Nanobody (NBX20038)

Recombinant Llama VHH-Human IgG Antibody for studying neutralization of SARS-CoV-2 and detection of 2019-nCoV Spike Protein.



Variants specific neutralizing activity



High affinity



Large selection of nanobodies

Available Pack Sizes

*For all Products (unless specified)



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

Catalog No: C19SD-N887

2019-nCoV Neutralization ELISA Kit

2019-nCoV Neutralization ELISA Kit contains

| Part # | Part | Quantity / Size |
|------------|--|-----------------|
| H38M-63DG | Anti-Human IgM Fc Detection Antibody, 1X | 1 vial x 10 mL |
| CP03-C19SD | 2019-nCoV Spike Protein RBD Coated Plate | 1 plate |
| CS02-506 | One Step TMB Substrate | 1 vial x 10 mL |
| E02-09 | nCoV Ig Sample Dilution Buffer | 2 vials x 10 mL |
| SS01-09 | Stop Solution | 1 vial x 6 mL |
| C19S1M-NEG | IgM Negative Control | 1 vial x 1 mL |
| C19S1M-POS | IgM Positive Control | 1 vial x 1 mL |
| WB20-09 | Wash Buffer, 20X | 2 vials x 15 mL |



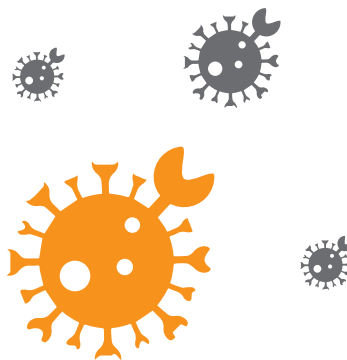
Easy to store and operate



Quick (<35 mins)



SignalChem manufactured



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.



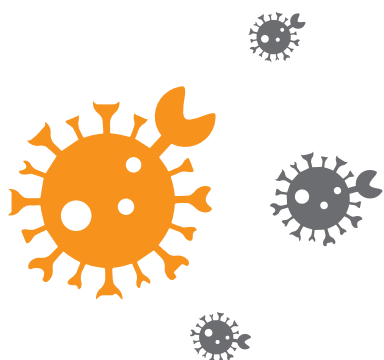
Highly active



Functionally validated



Compatible with multiple-assay platforms



Catalog No: C19PL-G241H

2019-nCoV PLpro, Active

Recombinant 2019-nCoV PLpro/papain-like protease, part of a large replicase polyprotein 1ab (E1564-Y1882), was expressed in E. coli cells with an N-terminal His-tag.



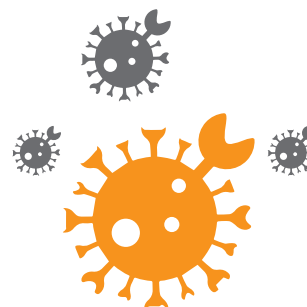
Highly sensitive, quick and easy setup



Purity Approx 90%



Available with high protein concentration



Catalog No: C19SD-G239H

2019-nCoV Spike protein RBD (K417T)

Recombinant 2019-nCoV Spike protein S1 subunit, RBD (K417T) (319-541) was expressed in CHO cells using a C-terminal His-tag.



Fully functional protein



Activity determined by functional ELISA



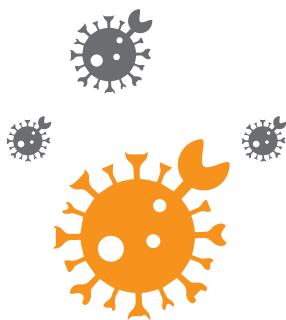
QA/QC tested for superior quality

Available Pack Sizes

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Catalog No: C19SD-G238H

2019-nCoV Spike protein RBD (S477N)

Recombinant 2019-nCoV Spike protein S1 subunit, RBD (S477N) (319-541) was expressed in CHO cells using a C-terminal His-tag.

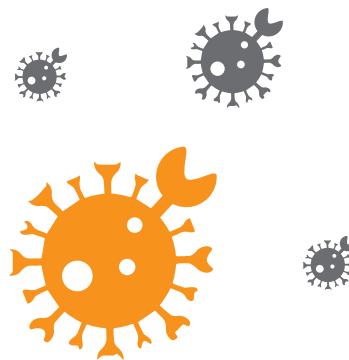


QA/QC tested for superior quality



High binding to hACE2

Purity Approx 90%



Catalog No: C19SD-G231AH

2019-nCoV Spike protein RBD (K417T, E484K, N501Y)

Recombinant 2019-nCoV Spike protein S1 subunit, RBD (K417T, E484K and N501Y) (319-541) was expressed in CHO cells using a C-terminal His-tag.



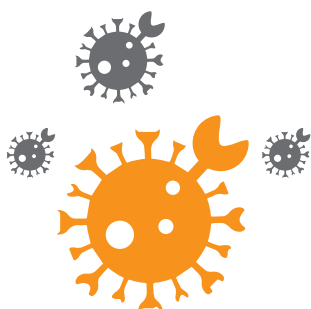
High binding to hACE2



QA/QC tested



Purity Approx 90%



Catalog No: C19SD-G231FH

2019-nCoV Spike Protein RBD (L452R, T478K)

Recombinant 2019-nCoV Spike protein S1 subunit, RBD (L452R T478K) (319-541) was expressed in CHO cells using a C-terminal his tag.



Fully customizable



Purity Approx 90%



QA/QC tested and certified

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