

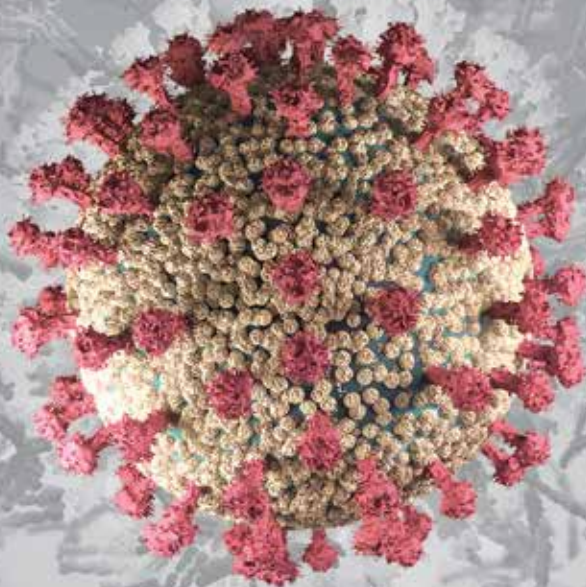
COVID-19 MUTANTS

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.



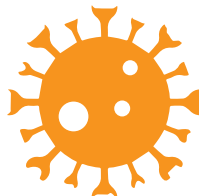


What We Are Good At

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



**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

Available Pack Sizes



From as small as 5ug to Bulk order

For inquiries please email
info@signalchem.com



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.

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.



Fully functional
enzyme



Activity determined
by functional ELISA



QA/QC tested for
superior quality



Tested for activity
using ELISA



90% Purity



Binding potency
for hACE2

Available Pack Sizes



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Available Pack Sizes



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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.

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



Purity Determined by
densitometry



QA/QC tested for
superior quality



Biologically active



Effective COVID19
research tool



QA/QC tested for
superior quality

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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

Available Pack Sizes



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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



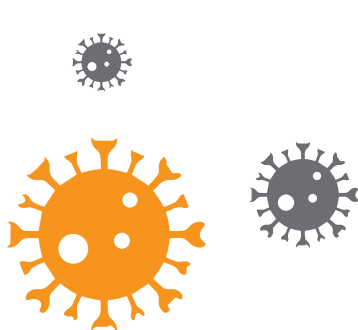
Strong binding
affinity
to hACE2

Available Pack Sizes



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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



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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

Available Pack Sizes



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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

Available Pack Sizes



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For inquiries please email
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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



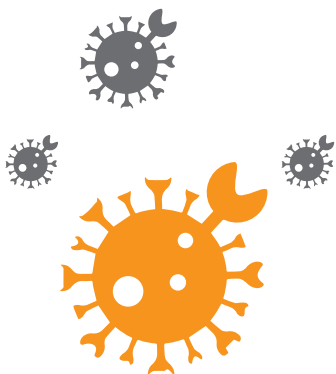
Manufactured
and tested by
SignalChem

Available Pack Sizes



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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



COMING SOON

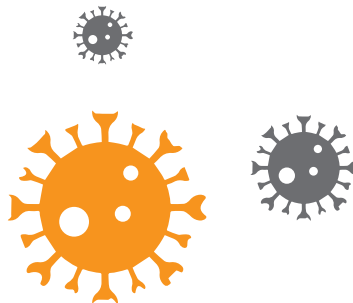
Newer variants including Mu variant coming soon

Available Pack Sizes



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Catalog No: C19S1-G239H

2019-nCoV Spike protein S1 (Δ69-70, Δ144, N501Y, A570D, D614G, P681H)

Recombinant 2019-nCoV Spike protein S1 (Δ69-70 Δ144 N501Y A570D D614G P681H) (16-685) was expressed in CHO cells using a C-terminal His-tag.



Wide coverage



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



COMING SOON

Newer variants including Mu variant coming soon

Available Pack Sizes



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info@signalchem.com



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

Anti 2019-nCoV Spike Protein IgG 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

Available Pack Sizes



From as small as 5ug to Bulk order

For inquiries please email
info@signalchem.com



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



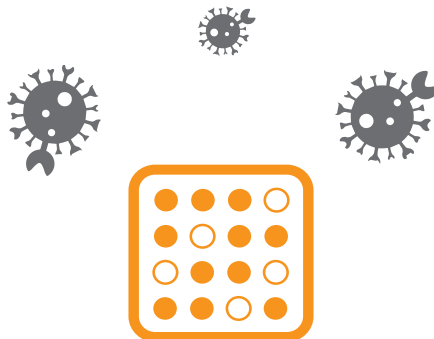
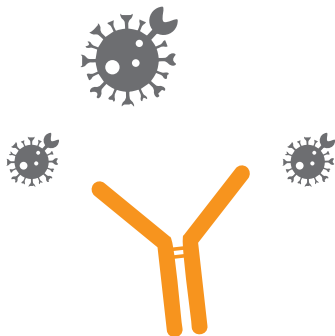
Large selection of nanobodies

Available Pack Sizes



From as small as 5ug to Bulk order

For inquiries please email
info@signalchem.com



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



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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

Available Pack Sizes



From as small as 5ug to Bulk order

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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%



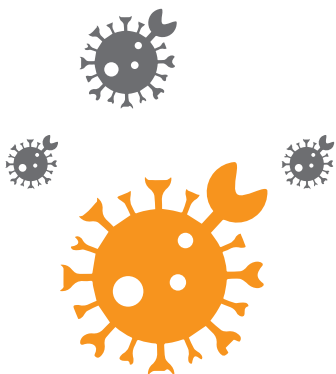
Available with
high protein
concentration

Available Pack Sizes



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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



Purity Approx 90%



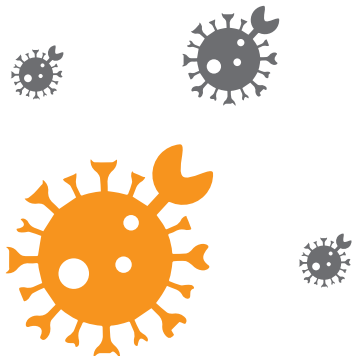
High binding to hACE2

Available Pack Sizes



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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%

Available Pack Sizes



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