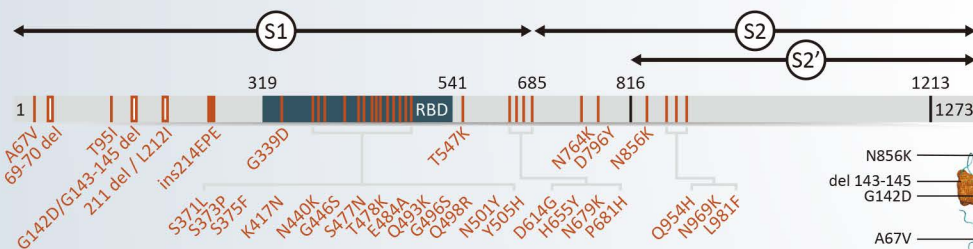


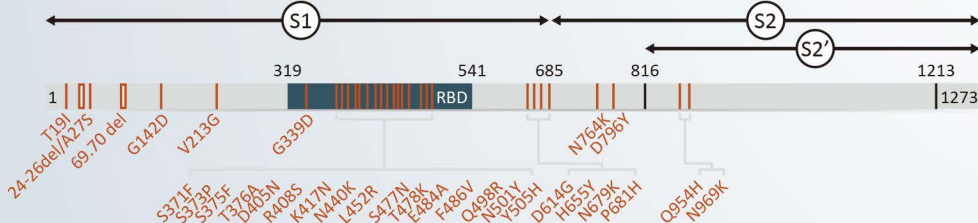
# Reagents for Omicron Subvariants Research

- Your Expertise
- Our Antibodies
- Accelerated Discovery

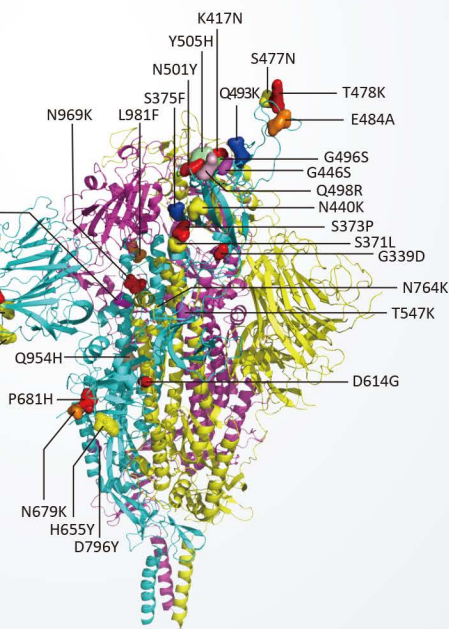
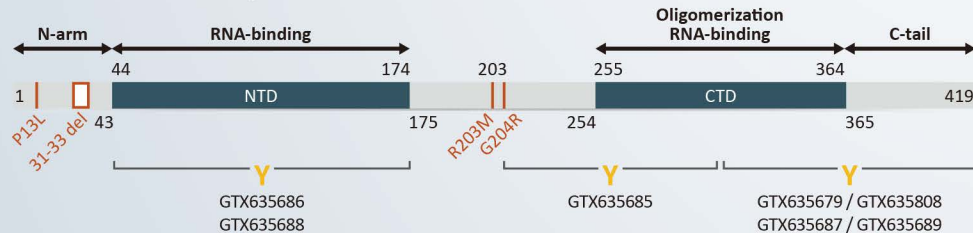
SARS-CoV-2 Spike Protein, Omicron BA.1 subvariant



SARS-CoV-2 Spike Protein, Omicron BA.4 / BA.5 subvariant

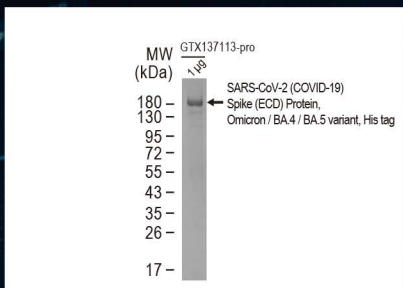


SARS-CoV-2 Nucleocapsid Protein, Omicron BA.1 subvariant

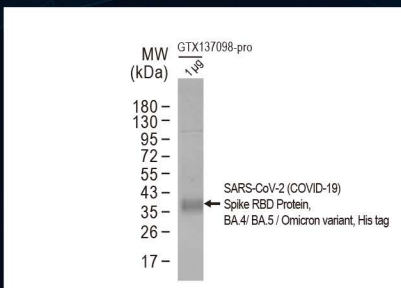


GeneTex has a wide range of recombinant antibody and protein reagents for Omicron research. See the highlighted products below or check our website for more details.

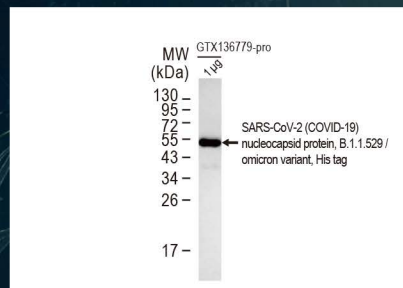
## Recombinant Proteins for SARS-CoV-2 Omicron Subvariants



SARS-CoV-2 (COVID-19) Spike (ECD) Protein, Omicron / BA.4 / BA.5 variant, His tag (GTX137113-pro)



SARS-CoV-2 (COVID-19) Spike RBD Protein, Omicron / BA.4 / BA.5 variant, His tag (GTX137098-pro)



SARS-CoV-2 (COVID-19) Nucleocapsid protein, Omicron / BA.1 variant, His tag (GTX136779-pro)

Targeted Region of Spike	Antibody Cat. No.	Clone	BA.1 (GTX136780-pro)	BA.2 (GTX137037-pro)	BA.2.12.1 (GTX137114-pro)	BA.4/BA.5 (GTX137113-pro)
RBD	GTX635807	HL1014	●	●	●	●
RBD	GTX635791	HL1002	X	X	X	X
RBD	GTX635792	HL1003	●	○	●	X
RBD	GTX635793	HL1004	X	○	○	●
S1	GTX635713	HL13402	X	X	X	X
S1	GTX635708	GT263	X	X	X	X
S2	GTX632604	1A9	○	○	●	●
S2	GTX635693	HL237	●	●	●	●

● Strong detection. Defined as OD<sub>450</sub> value >1 when 1µg/ml protein was used. X No detection. Defined as OD<sub>450</sub> value <1 when 4µg/ml protein was used.  
○ Weak detection. Defined as OD<sub>450</sub> value >1 when 4µg/ml protein was used.

Recombinant spike proteins (trimer) derived from different Omicron subvariants were assayed by indirect ELISA using the specified GeneTex monoclonal antibodies.

## Lateral Flow Assay (Recommended Nucleocapsid Antibody Pairs)

Antibody Pair	Cat. No.	Product Name	Host & Clonality	EC50
Pair I	GTX635689	Nucleocapsid antibody [HL5511]	Rec Rb mAb	14 pM
	GTX635686	Nucleocapsid antibody [HL448]	Rec Rb mAb	11 pM
Pair II	GTX635685	Nucleocapsid antibody [HL5410]	Rec Rb mAb	9 pM
	GTX635688	Nucleocapsid antibody [HL455]	Rec Rb mAb	6 pM

## HEK293-expressed Omicron Spike and Nucleocapsid Recombinant Proteins

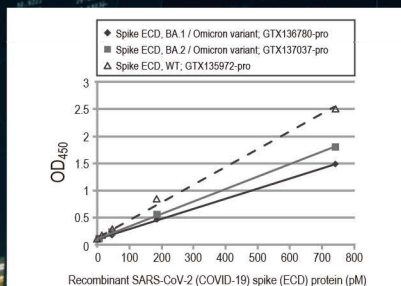
Cat. No.	Product Name	Applications
GTX136716-pro	Spike RBD protein, Omicron / BA.1 variant, His tag	Binding Assay, ELISA, WB, Sandwich ELISA
GTX136905-pro	Spike RBD protein, Omicron / BA.2 variant, His tag	WB, ELISA, Sandwich ELISA
GTX137098-pro	Spike RBD protein, Omicron / BA.4 / BA.5 variant, His tag	WB, ELISA, Sandwich ELISA
GTX136780-pro	Spike (ECD) protein, Omicron / BA.1 variant, His tag	WB, ELISA, Sandwich ELISA
GTX137037-pro	Spike (ECD) protein, Omicron / BA.2 variant, His tag	Binding Assay, WB, ELISA
GTX137114-pro	Spike (ECD) protein, Omicron / BA.2.12.1 variant, His tag	WB, ELISA, Sandwich ELISA
GTX137113-pro	Spike (ECD) protein, Omicron / BA.4 / BA.5 variant, His tag	WB, ELISA, Sandwich ELISA
GTX136779-pro	Nucleocapsid protein, Omicron / BA.1 variant, His tag	WB, ELISA, Sandwich ELISA

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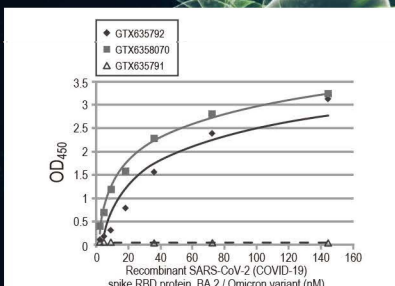
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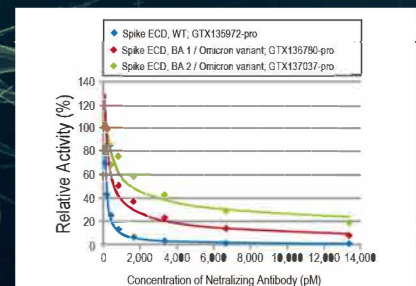
## Highlighted SARS-CoV-2 Omicron VOC Products



SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1014] (GTX635807)



SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1003] (GTX635792)



SARS-CoV-2 (COVID-19) Spike-ACE2 Binding / Neutralization Assay Kit (Omicron BA.1 / BA.2) (GTX537054)