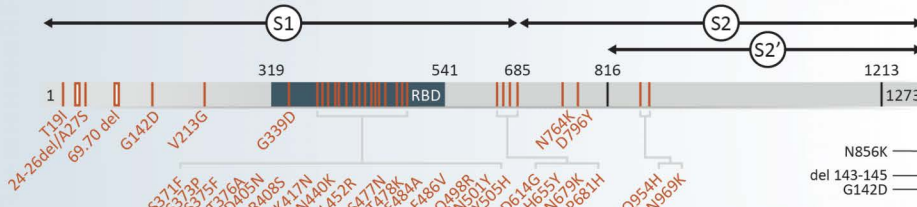


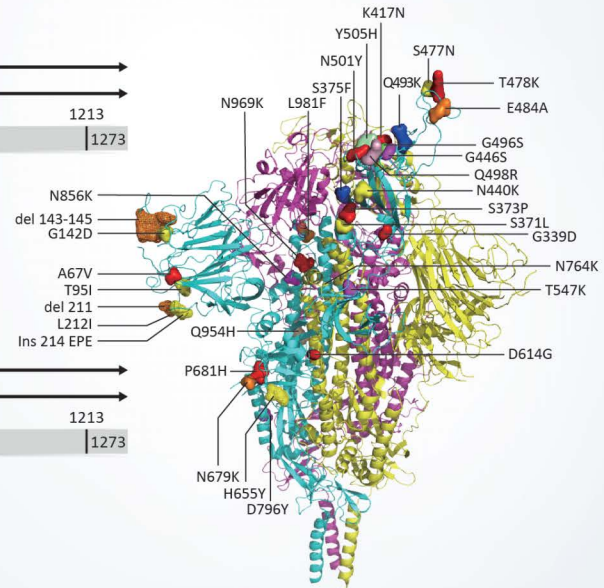
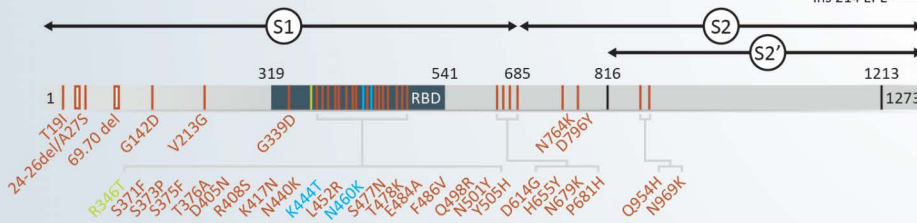
# Reagents for Omicron Subvariants Research

Your Expertise  
Our Antibodies  
Accelerated Discovery

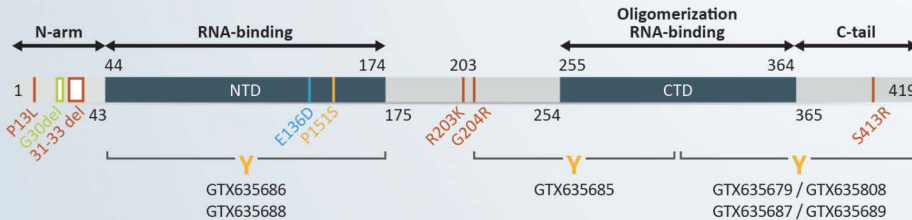
SARS-CoV-2 Spike Protein, Omicron BA.4 / BA.5 subvariant



SARS-CoV-2 Spike Protein, Omicron BF.7 / BQ.1 subvariant



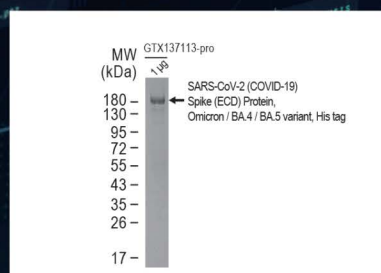
SARS-CoV-2 Nucleocapsid Protein, Omicron BA.4 / BA.5 / BF.7 / BQ.1 subvariant



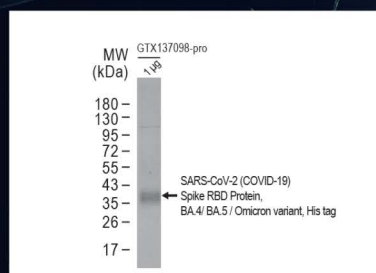
GeneTex has a wide range of recombinant antibody and protein reagents for Omicron research. See the highlighted products below or check our website for more details.

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

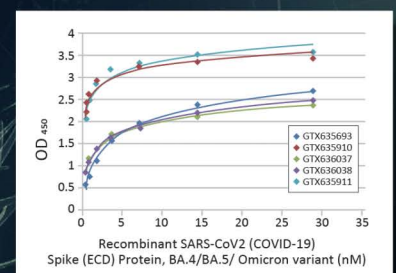
Recombinant Comparable Abs



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) Spike S2 antibody [HL237] (GTX635693)

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	○	○	●
RBD	GTX637591	HL1866	○	○	○	●
RBD	GTX637592	HL1867	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, WB, ELISA, Sandwich ELISA
GTX136905-pro	Spike RBD protein, Omicron / BA.2 variant, His tag	WB, ELISA, Sandwich ELISA
GTX137249-pro	Spike RBD Protein, Omicron / BA.2.12.1 variant, His tag	WB, ELISA, Sandwich ELISA
 GTX137422-pro	Spike RBD Protein, Omicron / BA.2.75 variant, His tag	Binding Assay, WB, ELISA, Sandwich ELISA
GTX137098-pro	Spike RBD protein, Omicron / BA.4 / BA.5 variant, His tag	Binding Assay, WB, ELISA, Sandwich ELISA
GTX137878-pro	Spike RBD Protein, Omicron / BF.7 variant, His tag	WB, ELISA, Sandwich ELISA
GTX137879-pro	Spike RBD Protein, Omicron / BQ.1 variant, His tag	WB, ELISA, Sandwich ELISA
GTX136780-pro	Spike (ECD) protein, Omicron / BA.1 variant, His tag	Binding Assay, WB, ELISA, Sandwich ELISA
GTX137037-pro	Spike (ECD) protein, Omicron / BA.2 variant, His tag	Binding Assay, WB, ELISA, Sandwich ELISA
GTX137114-pro	Spike (ECD) protein, Omicron / BA.2.12.1 variant, His tag	Binding Assay, WB, ELISA, Sandwich ELISA
 GTX137533-pro	Spike (ECD) Protein, Omicron / BA.2.75 variant, His tag	WB, ELISA
GTX137113-pro	Spike (ECD) protein, Omicron / BA.4 / BA.5 variant, His tag	Binding Assay, WB, ELISA, Sandwich ELISA
GTX137880-pro	Spike (ECD) Protein, Omicron / BF.7 variant, His tag	WB, ELISA, Sandwich ELISA
GTX137881-pro	Spike (ECD) Protein, Omicron / BQ.1 variant, His tag	WB, ELISA, Sandwich ELISA
GTX136779-pro	Nucleocapsid protein, Omicron / BA.1 variant, His tag	WB, ELISA, Sandwich ELISA
GTX137219-pro	Nucleocapsid protein, Omicron / BA.2 / BA.5 variant, His tag	WB, ELISA, Sandwich ELISA
GTX137882-pro	Nucleocapsid protein, Omicron / BF.7 variant, His tag	WB, ELISA, Sandwich ELISA
GTX137883-pro	Nucleocapsid protein, Omicron / BQ.1 variant, His tag	WB, ELISA, Sandwich ELISA