

SARS-CoV-2 Neutralizing Antibody ELISA Kit (Omicron BA.1 / BA.2 / BA.4 / BA.5)

Cat. No. GTX537233

Applications	Neutralizing/Inhibition
Reactivity	SARS Coronavirus 2

[References \(1 \)](#)
[Package](#)
[96 test](#)

PRODUCT

Summary

The GeneTex SARS-CoV-2 (COVID-19) Spike-ACE2 Binding / Neutralization Assay Kit (Omicron BA.1 / BA.2 / BA.4 / BA.5) is an in vitro assay for qualitative SARS-CoV-2 NAb screening. The kit includes the recombinant trimeric spike proteins of the wildtype (WT) strain and three Omicron BA.1, BA.2, and BA.4 / BA.5 variants for strain-specific neutralization analysis.

Properties

Preservative	0.05% ProClin 300
Storage	The entire kit can be stored at 2-8°C for up to 6 months.
Conjugation	Horseradish peroxidase(HRP)
Note	For <i>In vitro</i> laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

DATA IMAGES



GTX537233 Neutralizing/Inhibition Image

		A) neutralizing antibody against SARS-CoV-2 (wild-type)									
		SARS-CoV-2 BA.1			SARS-CoV-2 BA.2			SARS-CoV-2 BA.5			
GTX537233		Positive	Negative	Total	Positive	Negative	Total	Positive	Negative	Total	
		36	0	36	79	79	79	215	215	215	
		Positive	0	79	79	0	79	79	0	79	79
		Total	36	79	115	79	79	79	215	215	215
		Positive Agreement	100%	(95% CI: 90.4-100.0%)							
		Negative Agreement	100%	(95% CI: 95.4-100.0%)							

		B) neutralizing antibody against SARS-CoV-2 (Omicron BA.1, BA.2, BA.4 / BA.5 variants)									
		SARS-CoV-2 BA.1			SARS-CoV-2 BA.2			SARS-CoV-2 BA.5			
GTX537233		Positive	Negative	Total	Positive	Negative	Total	Positive	Negative	Total	
		0	0	0	0	5	5	0	0	0	
		Positive	0	0	0	5	5	0	0	0	
		Negative	0	0	0	5	5	0	0	0	
		Total	5	5	10	5	5	10	5	5	10
		Positive Agreement	100%	(95% CI: 56.6-100.0%)							
		Negative Agreement	100%	(95% CI: 56.6-100.0%)							

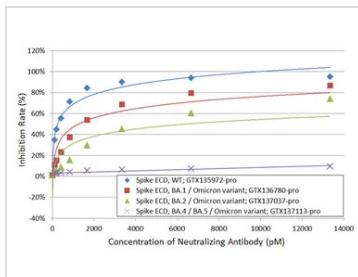
GTX537233 Neutralizing/Inhibition Image

To evaluate agreement, (A) 115 serum samples were tested using SARS-CoV-2 Neutralizing Antibody ELISA Kit (Omicron BA.1 / BA.2 / BA.4 / BA.5) (GTX537233). The results of neutralizing antibody (NAb) against wild-type virus were compared to a commercial ELISA kit results. (B) A total of 10 serum (5 NAb negative and 5 NAb positive) were further tested against Omicron BA.1, BA.2 and BA.5 virus for comparing with the results of NAb against Omicron BA.1, BA.2, BA.4/5 using SARS-CoV-2 Neutralizing Antibody ELISA Kit (GTX537233).



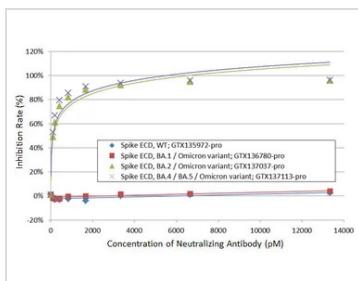
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GTX537233 Neutralizing/Inhibition Image

Inhibition analysis of SARS-CoV-2 (COVID-19) Spike RBD antibody [HL1003] (GTX635792) (104-13333 pM) using SARS-CoV-2 Neutralizing Antibody ELISA Kit (Omicron BA.1 / BA.2 / BA.4 / BA.5).



GTX537233 Neutralizing/Inhibition Image

Inhibition analysis of SARS-CoV-2 (COVID-19) Spike RBD Omicron antibody [HL1867] (GTX637592) (104-13333 pM) using SARS-CoV-2 Neutralizing Antibody ELISA Kit (Omicron BA.1 / BA.2 / BA.4 / BA.5).



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