

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 *In vitro* 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)				
GTX537233	Comparator			
	Positive	Negative	Total	
Positive	36	0	36	
Negative	0	79	79	
Total	36	79	115	
Positive Agreement	100% (95% CI: 98.4-100.0%)			
Negative Agreement	100% (95% CI: 95.4-100.0%)			

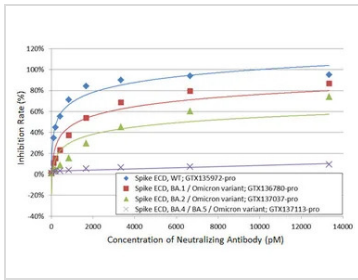
(B) neutralizing antibody against SARS-CoV-2 (Omicron BA.1, BA.2, BA.4 / BA.5 variants)												
GTX537233	SARS-CoV-2 BA.1				SARS-CoV-2 BA.2				SARS-CoV-2 BA.5			
	Positive	Negative	Total		Positive	Negative	Total		Positive	Negative	Total	
Positive	5	0	5		5	0	5		5	0	5	
Negative	0	5	5		0	5	5		0	5	5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

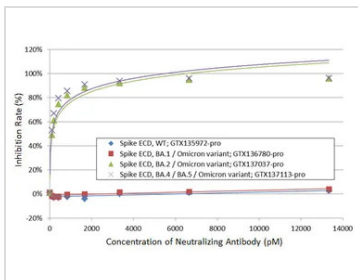


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GTX537233 Neutralizing/Inhibition Image

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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