Influenza A Virus Nucleoprotein ELISA Kit

Cat. No. GTX542065

Applications	ELISA
Reactivity	Influenza A virus

Package
96 test

PRODUCT

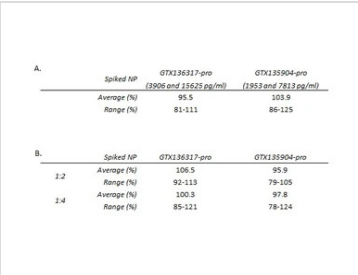
Summary

The Influenza A Virus Nucleoprotein ELISA Kit is a sandwich ELISA assay designed for the quantitative measurement of influenza A virus nucleoprotein (NP) in saliva samples. A capture mouse monoclonal antibody against influenza A virus NP is immobilized in the plate wells. Standards and samples are pipetted into the wells, allowing NP to bind to the capture antibody. After washing away unbound substances, an HRP-conjugated rabbit monoclonal antibody is added to detect the captured NP. Following another series of washes, TMB substrate is added for color development. The Stop Solution is then applied, which changes the color from blue to yellow. The intensity of the color, measured at 450 nm, indicates the amount of bound influenza A virus NP determined by comparison to the standard curve.

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 laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption. Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES



GTX542065 ELISA Image

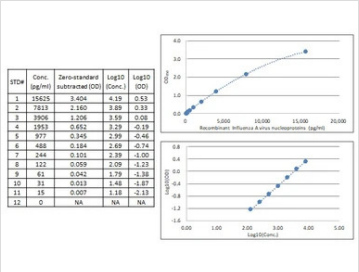
A. Saliva samples were spiked with two levels of Influenza A virus nucleoprotein, and recovery was assessed by comparing the results to those from spiked assay diluent samples.
B. To determine linearity, saliva samples were spiked with high level Influenza A virus nucleoprotein and diluted with Assay Diluent in 1:2 and 1:4. The value was assessed by comparing it to undiluted samples.

For full product information, images and publications, please visit our website.

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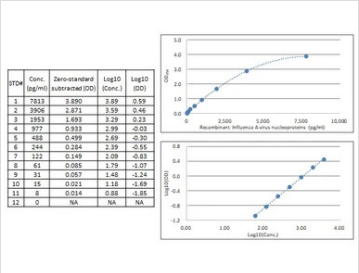
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STD#	Conc. (pg/ml)	Zero-standard subtracted (OD)	Log10 (Conc.)	Log10 (OD)
1	15625	3.404	4.19	0.53
2	7813	2.160	3.89	0.33
3	3906	1.206	3.59	0.08
4	1953	0.652	3.29	-0.19
5	977	0.345	2.99	-0.46
6	488	0.184	2.69	-0.74
7	244	0.101	2.39	-1.00
8	122	0.059	2.09	-1.23
9	61	0.042	1.79	-1.38
10	31	0.013	1.48	-1.87
11	15	0.007	1.18	-2.13
12	0	NA	NA	NA

GTX542065 ELISA Image

ELISA analysis of Influenza A virus Nucleoprotein (A/Hong Kong/2671/2019 (H3N2), GTX136317-pro) using Influenza A Virus Nucleoprotein ELISA Kit (GTX542065).



STD#	Conc. (pg/ml)	Zero-standard subtracted (OD)	Log10 (Conc.)	Log10 (OD)
1	7813	3.890	3.89	0.59
2	3906	2.871	3.59	0.46
3	1953	1.693	3.29	0.23
4	977	0.933	2.99	-0.03
5	488	0.499	2.69	-0.30
6	244	0.284	2.39	-0.55
7	122	0.149	2.09	-0.83
8	61	0.085	1.79	-1.07
9	31	0.057	1.48	-1.24
10	15	0.021	1.18	-1.69
11	8	0.014	0.88	-1.85
12	0	NA	NA	NA

GTX542065 ELISA Image

ELISA analysis of Influenza A virus Nucleoprotein (A/California/2009 (H1N1)), GTX135904-pro) using Influenza A Virus Nucleoprotein ELISA Kit (GTX542065).



GTX542065 Image

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