SARS-CoV-2 (COVID-19) Nucleocapsid Protein Sandwich ELISA Kit

Cat. No. GTX535824

Applications	ELISA, Sandwich ELISA
Reactivity	SARS Coronavirus 2

References (5)
Package
96 test

PRODUCT

Summary The GeneTex SARS-CoV-2 (COVID-19) Nucleocapsid Protein Sandwich ELISA kit is an in vitro assay tool for the quantitative measurement of SARS-CoV-2 nucleocapsid protein. This assay employs a pair of monoclonal antibodies specific for SARS-CoV-2 nucleocapsid protein, with the lowest detectable dose concentration of standard protein being 18 pg/ml.

Applications

Application Note

The suitable sample types include cell culture supernatant, plasma and serum. The suggested sample loading amount is 50µl per well. Please see the protocol for detailed procedure.

Assay range : 24-25000 pg/ml

Product Note This ELISA kit specifically detects virus SARS-CoV-2 nucleocapsid protein, with sensitivity being 18 pg/ml.

Properties

Preservative	0.05% ProClin 300
Storage	The entire kit can be stored at 2-8ºC 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



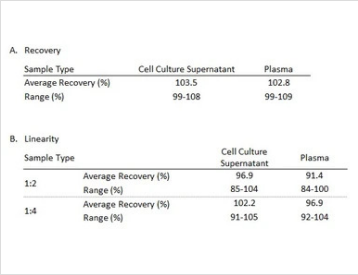
GTX535824 Image

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

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A. Recovery

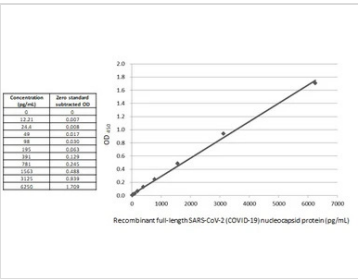
Sample Type	Cell Culture Supernatant	Plasma
Average Recovery (%)	103.5	102.8
Range (%)	99-108	99-109

B. Linearity

Sample Type		Cell Culture Supernatant	Plasma
1:2	Average Recovery (%)	96.9	91.4
	Range (%)	85-104	84-100
1:4	Average Recovery (%)	102.2	96.9
	Range (%)	91-105	92-104

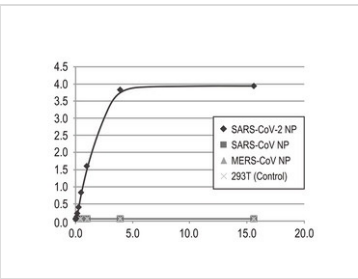
GTX535824 ELISA Image

A. Recovery assay was determined by spiking SARS-CoV-2 N protein at various levels throughout the assay range in the listed samples.
B. To determine linearity, the listed samples were spiked with SARS-CoV-2 N protein and diluted with Assay Diluent in 1:2 and 1:4. The value was assessed by comparing it to undiluted samples.



GTX535824 ELISA Image

ELISA analysis of full-length SARS-CoV-2 (COVID-19) nucleocapsid protein using GTX535824 SARS-CoV-2 (COVID-19) Nucleocapsid Protein Sandwich ELISA Kit.



GTX535824 ELISA Image

ELISA assay using lysates of 293T cells overexpressing the nucleocapsid proteins (NP) from SARS-CoV-2, SARS-CoV, or MERS-CoV. The SARS-CoV-2 (COVID-19) Nucleocapsid Protein Sandwich ELISA Kit (GTX535824) specifically detects only SARS-CoV-2 NP.

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