

SARS-CoV-2 COVID 19 Nucleocapsid Coronavirus ELISA Kit | COVID-19 elisa kit

SARS-CoV-2 (2019-nCoV) Nucleocapsid ELISA Kit

CATALOG #
AAA258463

REACTIVITY
SARS-CoV-2

PRODUCT SYNONYMS

COVID 19 Nucleocapsid Coronavirus; SARS-CoV-2 (2019-nCoV) Nucleocapsid ELISA Kit; 2019 Novel Coronavirus; Coronavirus; CoV; COVID-19 virus; HCoV-2; Human Coronavirus 2019; SARS2; SARS-CoV-2; Severe acute respiratory syndrome coronavirus 2; Nucleocapsid; Nucleoprotein (NP); COVID-19 elisa kit

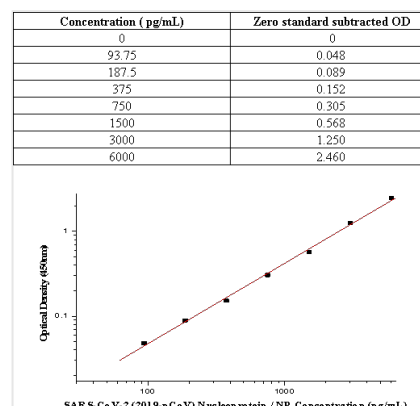
PRODUCT SPECIFICATIONS

Reactivity	SARS-CoV-2
Specificity	The kit has been verified by high purity SARS-CoV-2 (2019-nCoV) Nucleocapsid Protein. It can recognize recombinant SARS-CoV-2 variant Proteins, and SARS-CoV Nucleocapsid Protein, but no react with recombinant MERS-CoV, HCoVs Nucleocapsid protein and Influenza Nucleoprotein.
Assay Type	Solid Phase Sandwich ELISA (quantitative)
Detection Range	93.75-6000pg/mL
Sensitivity	34.61pg/mL
Conjugation	HRP
Materials Provided	1. 96 well microplate coated with Capture Antibody 2. Detection Antibody conjugated to HRP 3. Standards 4. Wash Buffer Concentrate 5. Dilution Buffer Concentrate 6. Color Reagent A 7. Color Reagent B 8. Stop Solution

IMAGES

This assay recognizes the following factors:		
Recombinant Protein	Catalogue	SARS-CoV-2 Lineage
SARS-CoV-2 Nucleocapsid His Recombinant Protein	40588-V070	Lineage A (Wuhan Hs 1)
SARS-CoV-2 Omicron (B.1.1.529) Nucleocapsid Protein	40588-V0734	Abundant mutations, found in Omicron (B.1.1.529)
SARS-CoV-2 Nucleocapsid R203K, G204R His Recombinant Protein	40588-V0714	Abundant mutations, found in B.1.1.7 (Alpha), B.1.351 (Beta), P.1 (Gamma), etc.
SARS-CoV-2 Nucleocapsid P13L His Recombinant Protein	40588-V0712	Abundant mutations, found in B.1.1.7 (Alpha), B.1.351 (Beta), & P.2, etc.
SARS-CoV-2 Nucleocapsid S214L His Recombinant Protein	40588-V0713	Abundant mutations, found in B.1.1.7 (Alpha), B.1.231, etc.
SARS-CoV-2 Nucleocapsid D291Y His Recombinant Protein	40588-V0714	Abundant mutations, found in B.1.1.7 (Alpha), etc.
SARS-CoV-2 Nucleocapsid D31L, R203K, G204R, S235F His Recombinant Protein	40588-V0717	Mutations found in B.1.1.7 (Alpha)
SARS-CoV-2 Nucleocapsid D31L, S235F His Recombinant Protein	40588-V0718	Mutations found in B.1.1.7 (Alpha)
SARS-CoV-2 Nucleocapsid (T205R) Protein His Tag	40588-V0719	Mutations found in B.1.351 (Beta), B.1.427, B.1.429 (Gamma)
SARS-CoV-2 Nucleocapsid (P100R) Protein His Tag	40588-V0711	Mutations found in P.1 (Gamma)
SARS-CoV-2 Nucleocapsid (D45G, R203M, D377Y) Protein His Tag	40588-V0720	Mutations found in B.1.617.2 (Delta)
SARS-CoV-2 Nucleocapsid (D45G, R203M, G215C, I370Y) Protein His Tag	40588-V0732	Mutations found in AY.1 (Delta plus), AY.3
SARS-CoV-2 Nucleocapsid (P13L, R203K, G204R, G214C) Protein His Tag	40588-V0731	Mutations found in C.37 (Lambda)
SARS-CoV Nucleocapsid Protein His Tag	40143-V080	

Application Data



Standard Curve (Sample)

This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.

ADDITIONAL INFORMATION

Related Product Information for COVID-19 elisa kit	This SARS-CoV-2 (2019-nCoV) Nucleocapsid Detection ELISA Kit is an enzyme-linked immunosorbent assay for the quantitative measurement of SARS-CoV-2 Coronavirus Nucleocapsid protein in. It contains recombinant SARS-CoV-2 Coronavirus Nucleocapsid, and antibodies raised against the recombinant protein. This ELISA kit is complete and ready-to-use. Background: Coronaviruses are enveloped viruses with a positive-sense RNA genome and with a nucleocapsid of helical symmetry. Coronavirus nucleoproteins localize to the cytoplasm and the nucleolus, a subnuclear structure, in both virus-infected primary cells and in cells transfected with plasmids that express N protein. The coronavirus N protein is required for coronavirus RNA synthesis and has RNA chaperone activity that may be involved in template switch. Nucleocapsid protein is the most abundant protein of coronavirus. During virion assembly, N protein binds to viral RNA and leads to the formation of the helical nucleocapsid. Nucleocapsid protein is a highly immunogenic phosphoprotein also implicated in viral genome replication and in modulating cell signaling pathways. Because of the conservation of the N protein sequence and its strong immunogenicity, the N protein of coronavirus is chosen as a test tool.
References	1. Van Boheemen S, et al. (2012), MBio. 3(6):e00473-12. Bisht H. et al., 2004, Proc Natl Acad Sci. 101 (17): 6641-6. Li W. et al., 2005, Science. 309 (5742): 1864-8.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/covid-19-elisa-kits/covid-19-nucleocapsid-coronavirus/258463>