

Bioassayplus Inc.

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Certificate of Analysis

Important note: centrifuge before opening to ensure complete recovery of vial content.

Catalogue: CoV-NL63

Description: HCoV-NL63 is an alpha coronavirus similar to HCoV-229E and beta coronavirus HCoV-OC43 and HCoV-HKU1 causes respiratory infection, it takes about 4.7% of common respiratory illness.

Transmission of HCoV-NL63 is likely through droplet expulsion from the respiratory tract, which may be airborne or spread through close personal contact. The virus is able to survive for up to seven days in respiratory secretions and remains infective at room temperature. Once the virus has entered the host it binds to cellular receptors using spike proteins. The virus is able to use Angiotensin-converting enzyme 2 (ACE2) as an entry receptor to bind to and enter target cell.

HCoV-NL63 is a RNA virus, its nucleoprotein C-terminal containing 130 amino acids was cloned and expressed from E. coli and purified by affinity column.

Format: purified liquid

Purification: 95% pure (10% SDS-PAGE commassie blue staining). Proprietary chromatographic technique.

Concentration: 2.4/ml (lot 072020)

Buffer: PBS with 25mM K₂CO₃

Storage: upon receipt, store at -20°C, avoid multiple freeze and thaw cycles.

