



Inactivated HCoV-NL63 Lysate (DAGC485)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Coronavirus NL63 is a Group 1 CoV, propagated in the Vero cell line. Viral lysate is purified using sucrose density gradient ultracentrifugation, disrupted in the presence of detergent and heat inactivated.
Species	HCoV NL63
Conjugate	unconjugated
Applications	Applications include immunoassay development, Western blotting, dot blotting and other protein-based assays.
Format	Liquid
Size	100 µg, 500 µg
Buffer	0.5% Triton X-100 non-ionic detergent/0.6 M KCl
Preservative	None
Storage	Store at -65°C or below.

BACKGROUND

Introduction	The coronaviruses are a family of related RNA viruses within the order Nidovirales. They contain a positive-sense, single-stranded, 26-32kb RNA genome protected by a nucleocapsid of helical symmetry. Their viral capsids are surrounded by a lipid envelope, which is interrupted by trimeric Spike proteins that project from the capsid surface. Human coronavirus NL63 (HCoV-NL63) is a species of alphacoronavirus that was first identified in 2004 in a seven-month-old child in the Netherlands. HCoV-NL63 infection has since been confirmed worldwide and is associated with many common symptoms and diseases, such as moderate upper respiratory tract infections, severe lower respiratory tract infection, croup and bronchiolitis.
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Keywords

HCoV NL63; HCoV; NL63
