



Inactivated HCoV-OC43 Lysate (DAGC486)

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

PRODUCT INFORMATION

Product Overview	Coronavirus OC43 is a Group 2 CoV, propagated in the HCT-8 cell line. Viral lysate is purified using sucrose density gradient ultracentrifugation, disrupted in the presence of detergent and heat inactivated.
Species	HCoV OC43
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 OC43 (HCoV-OC43) is a betacoronavirus and is known to infect humans and cattle. HCoV-OC43 infects cells by binding the N-acetyl-9-O-acetylneuraminic acid receptor (Neu5Ac). HCoV-OC43 infection results in a mild cold. If infects its hosts by gaining entry into the respiratory epithelium, using its Haemagglutinin (HE) and Spike (S) glycoproteins.
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Keywords

HCoV OC43; HCoV; OC43
