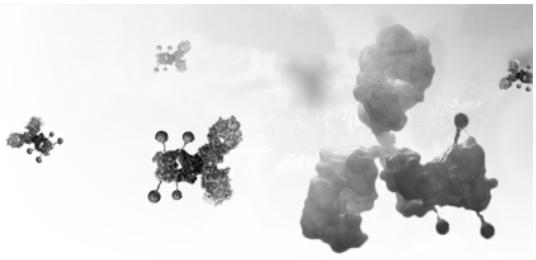

SARS-CoV-2 Envelope Peptide (DAGC320)

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

PRODUCT INFORMATION

Product Overview	10 amino acids near the amino terminus of SARS E protein.
Species	SARS-CoV-2
Conjugate	Unconjugated
Applications	SARS-CoV-2 Envelope Peptide is used for blocking the activity of the SARS envelope antibody.
Format	Liquid
Concentration	200 ug/mL
Size	50 µg
Buffer	PBS pH 7.2 (10 mM NaH2PO4, 10 mM Na2HPO4, 130 mM NaCl) containing 0.1% bovine serum albumin and 0.02% sodium azide
Preservative	0.02% sodium azide
Storage	Store SARS-CoV-2 Envelope Peptide at -20˚C, stable for one year.

BACKGROUND

Introduction	Coronavirus envelope (E) proteins are short (100 residues) polypeptides that contain at least one transmembrane (TM) domain and a cluster of 2-3 juxtamembrane cysteines. These proteins are involved in viral morphogenesis and tropism, and their absence leads in some cases to aberrant virions, or to viral attenuation. In common to other viroporins, coronavirus envelope proteins increase membrane permeability to ions, plays a central role in virus morphogenesis and assembly. Acts as a viroporin and self-assembles in host membranes forming pentameric protein-lipid pores that allow ion transport. Also plays a role in the induction of apoptosis. Activates the host NLRP3 inflammasome, leading to IL-1beta overproduction.

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Keywords	SARS-CoV-2; SARS-CoV-2 Peptide; SARS-CoV-2 E Peptide; SARS-CoV-2 Envelope Peptide; SARS-CoV-2 Envelope

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