

Product Details

Summary

Accession #	P0DTC4
Alternative names	2019-nCoV E protein, 2019-nCoV sM protein, Envelope small membrane protein
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 °C for one week . Store at -20 to -99 °C for twelve months from the date of receipt.
Specificity	Recognizes SARS-CoV-2 E protein
Isotype	IgG
Host	Rabbit
Clonality	Polyclonal
Conjugation	Unconjugate
Species reactivity	Severe acute respiratory syndrome coronavirus 2 (2019-nCoV) (SARS-CoV-2)
Tested applications	Elisa, WB
Immunogen	Recombinant SARS-CoV-2 E protein (Met1-Val75)

Background

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-1 β overproduction.

Product performance

Form	Liquid
Buffer	PBS, pH7.4, containing 0.05% proclin300, 50% glycerol.
Concentration	0.30mg/ml
MW	8kDa

Application

Dilution Range	Elisa: 1:4000~1:8000, WB: 1:1000~5000
-----------------------	---------------------------------------



Note

For research use only.

