

Product Details

Summary

Product name	Anti 2019-nCoV NSP8 polyclonal antibody
Catalog#	ATP250
description	Produced in rabbits immunized with purified, Recombinant SARS-CoV-2 NSP8
Accession #	P0DTC1
Alternative names	Non-structural protein 8, Replicase polyprotein 1a
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 -95 °C for twelve months from the date of receipt.
Specificity	Recognizes SARS-CoV-2 NSP8
Isotype	IgG
Host	Rabbit
Clonality	Polyclonal
Conjugation	Unconjugate
Species reactivity	Severe acute respiratory syndrome coronavirus 2 (2019-nCoV) (SARS-CoV-2)
Tested applications	Elisa
Immunogen	Recombinant SARS-CoV-2 NSP8(A3943-Q4118)

Background

Cleavage by the viral main protease, 3CLpro results in generating the nsp8 protein, The nsp8 protein has been shown to associate with several other nsps and to colocalize with these nsps in cytoplasmic complexes that are important for viral RNA synthesis. It forms a hexadecamer with nsp7 (8 subunits of each) that may participate in viral replication by acting as a primase. Alternatively, may synthesize substantially longer products than oligonucleotide primers. Nsp8 was shown to have RNA-dependent RNA polymerase (RdRp) activity that could be involved in producing primers utilized by nsp12 which is normally accepted to be the RdRp for SARS-CoV.

Product performance

Form	Liquid
Buffer	PBS, pH7.4, containing 0.05% proclin300, 50% glycerol.
Concentration	0.93mg/ml



MW

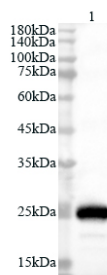
20kDa

Application

Dilution Range

Elisa: 1:4000~1:8000

Tested Picture



Lysate: 0.1μg/lane

Lane 1: Recombinant SARS-CoV-2
nsp8 protein

Predicted band size: 26kDa
Observed band size: 26kDa

Recombinant protein lysate were subjected to SDS PAGE followed by western blot with rabbit anti SARS-CoV-2 NSP8 antibody at dilution of 1:8000.

Note

For research use only.