# Product Details

## Summary

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|---|---|
| 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. |
| Spcificity | 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

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

MW                                        20kDa
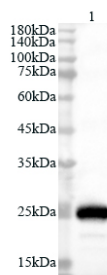
## Application

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.