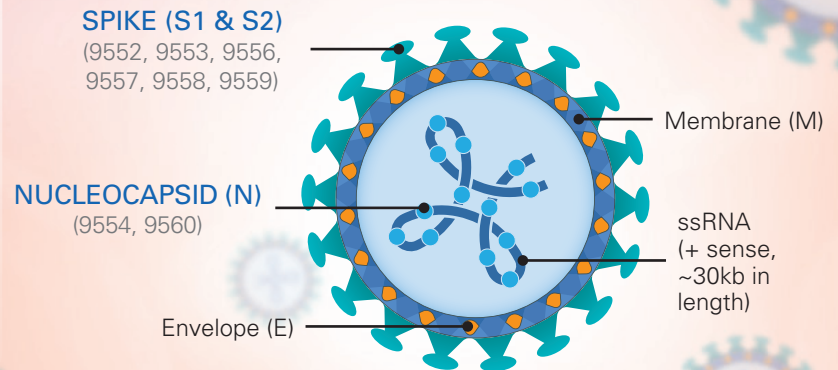


# SARS-CoV-2 Recombinant Antigens

For COVID-19 Serology Tests

Serologic tests are an important tool for monitoring the evolution of an outbreak. Specifically IgG/IgM antibody tests are essential for identifying previously undiagnosed infections in the asymptomatic population.

## SARS-CoV-2 Genome Structure



Meridian has just released new high-performing SARS-CoV-2 antigens for the development of COVID-19 IgG/IgM serology assays. The recombinant antigens are expressed in human mammalian cells and insect cells using proprietary expression and purification technologies. Expression in either human or insect cells provides for post-translational modifications such as glycosylation and phosphorylation which can offer significant performance advantages over *E. coli* expressed formats.

## SARS-CoV-2 Recombinant Antigens

### Insect-Cell Expressed

- ▶ 9556 | **Spike Protein, S1 Subunit, His-tag**
- ▶ 9557 | **Spike Protein, N-terminal Domain (NTD) S1 Subunit, His-tag**
- ▶ 9558 | **Spike Protein, Receptor Binding Domain (RBD) S1 Subunit, His-tag**
- ▶ 9559 | **Spike Protein, S2 Subunit, His-tag**
- ▶ 9560 | **Nucleocapsid Protein, His-tag**

### HEK293 Expressed

- ▶ 9552 | **Spike Protein, Receptor Binding Domain (RBD) S1 Subunit, His-tag**
- ▶ 9553 | **Spike Protein, S1 Subunit, His-tag**
- ▶ 9554 | **Nucleocapsid Protein, DYKDDDDK tag**

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