

## SARS-CoV-2

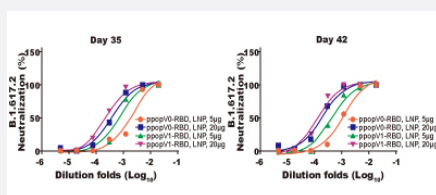
# SARS-CoV-2 Delta Variant Pseudovirus Expressing Luciferase

Catalog # U0406      Size 500 uL

## Applications

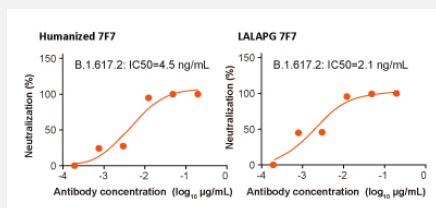
### Neutralization

RBD-binding IgG responses in mouse sera collected 35 days and 42 days after immunization with 5 ug or 20 ug COVID-19 RBD SAM LNP no adjuvant (ppopV0) and 5 ug or 20 ug COVID-19 RBD SAM plus adjuvant (ppopV1).



### Neutralization

SARS-CoV-2 delta variant spike pseudovirus expressing luciferase is treated with humanized monoclonal antibody 7F7, and then added into 293T-ACE cells.



## Specification

### Product Description

SARS-CoV-2 Delta Variant Pseudovirus Expressing Luciferase can be used to measure neutralizing antibody against SARS-CoV-2.

**Materials Required But NOT Supplied**

1. 293T-hACE2 cell
2. SARS-CoV-2 Monoclonal Antibody, Cat# MAB22854-M07, Abnova
3. ZymeFree™ Enzyme Free Cell Dissociation Reagent, Cat# TCL028-100ML, HIMEDIA
4. DMEM culture medium containing 10% FBS (complete medium)
5. Luciferase Assay System, Cat# E1500, Promega
  - a. Luciferase Assay Substrate (lyophilized)
  - b. Luciferase Assay Buffer
  - c. Luciferase Cell Culture Lysis Reagent, 5X
6. TC-Treated 24 Well Plates, Cat# 3524, Corning
7. OptiPlate™-96, Cat# 6005290, PerkinElmer

**Variant**

B.1.617.2

**Suitable Sample**

1. Immunized Serum
2. Infected Serum
3. Neutralizing Antibodies
4. Peptide Inhibitors or Proteins
5. Compounds Targeting Spike Induced Cell Fusion

**Sample Volume**

10-50 uL (please check sample source)

**Detection Method**

Luciferase Activity

**Technology**[Pseudovirus](#)**Regulatory Status**

For research use only (RUO)

**Storage Instruction**

Store at -80°C  
Aliquot to avoid repeated freezing and thawing.

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