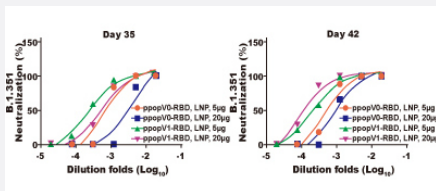


SARS-CoV-2

COVID-19 Beta Variant Pseudovirus Neutralizing Antibody Assay (Luciferase)

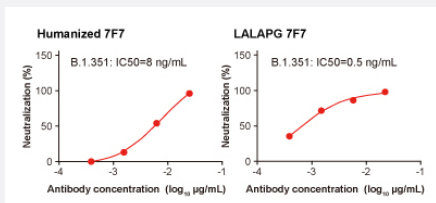
Catalog # DE0005 Size 1 Kit

Applications



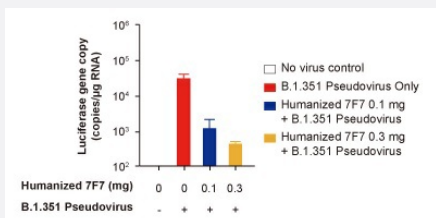
Neutralization

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



Neutralization

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



In vivo Neutralization

Hamsters received 2 doses of humanized monoclonal antibody 7F7 and then were infected with SARS-CoV-2 Beta Variant Pseudovirus Expressing Luciferase (Cat # U0403).

Specification

Product Description	COVID-19 Beta Variant Pseudovirus Neutralizing Antibody Assay (Luciferase) provides a highly sensitive and quantitative measurement of neutralizing antibodies.
Supplied Product	<p>Kit content:</p> <p>1 kit is sufficient for 100 assays in 24 well plates</p> <ol style="list-style-type: none"> 293T-hACE2 cell, 2x10⁶cells/vial, FBS with 10% DMSO SARS-CoV-2 Beta Variant Pseudovirus Expressing Luciferase
Materials Required But NOT Supplied	<ol style="list-style-type: none"> SARS-CoV-2 Monoclonal Antibody, Cat# MAB22854-M07, Abnova ZymeFree™ Enzyme Free Cell Dissociation Reagent, Cat# TCL028-100ML, HIMEDIA DMEM culture medium containing 10% FBS (complete medium) Luciferase Assay System, Cat# E1500, Promega <ol style="list-style-type: none"> Luciferase Assay Substrate (lyophilized) Luciferase Assay Buffer Luciferase Cell Culture Lysis Reagent, 5X TC-Treated 24 Well Plates, Cat# 3524, Corning OptiPlate™-96, Cat# 6005290, PerkinElmer
Variant	B.1.351
Suitable Sample	<ol style="list-style-type: none"> Immunized Serum Infected Serum Neutralizing Antibodies Peptide Inhibitors or Proteins 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	<p>293T-hACE2 cell Store at liquid nitrogen.</p> <p>Pseudovirus Store at -80°C.</p> <p>Aliquot to avoid repeated freezing and thawing.</p>

Applications

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