Rev03
Update: Dec,14,2021

DATASHEET

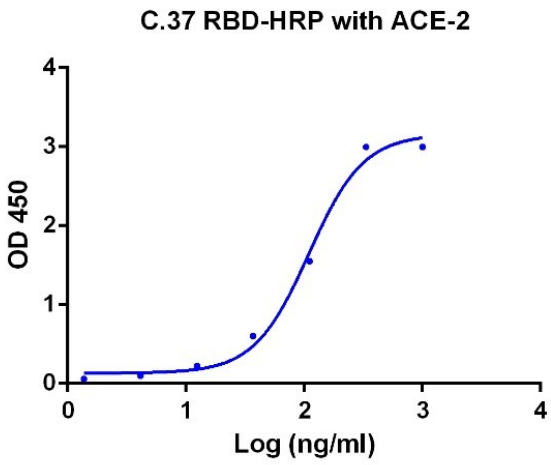
SARS-CoV-2 Spike protein (RBD, L452Q, F490S, Avi & His Tag)-HRP

Cat. No.: Z03697

Product Introduction

Species	SARS-CoV-2
Protein Construction	Spike RBD [Arg319-Ser591 (L452Q, F490S)] Accession # P0DTC2 — Avi — Poly-His N-term C-term
Conjugate	HRP
Biological Activity	This protein is validated to bind with human ACE2 (Cat. No. Z03516) in functional ELISA assay.
Expression System	CHO
Application	The optimal dilution ratio should be determined by the end user for specific applications. ELISA 1:1000
Formulation	Supplied as a solution in PBS, pH 7.4, 0.1% ProClin 300.
Storage & Stability	Upon receiving, this product remains stable for up to 3 months at 2-8°C. Protect from light.

Examples



SARS-CoV-2 Spike protein (RBD, L452Q, F490S, Avi & His Tag)-HRP can bind with ACE-2 Fc Chimera, Human (Cat. No. Z03516) in a functional ELISA.

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Background

Target Background : SARS-CoV-2 (Severe Acute Respiratory Syndrome Coronavirus 2) also known as 2019-nCoV (2019 Novel Coronavirus) is a virus that causes illnesses ranging from the common cold to severe diseases. The SARS-CoV-2 lambda variant was first identified in Peru in August 2020, and has quickly spread to other parts of South America and the United States. WHO classified lambda as a global "variant of interest". This variant carries a number of mutations with suspected implications, such as potential increased transmissibility or possible increased resistance to neutralizing antibodies. However, the full extent of those mutations' impact isn't yet well understood and will need further study. The lambda variant mainly contains L452Q and F400S point mutations in RBD domain, G75V, T76I and deletion mutation of 246-252 are located in S1 domain, which may enhance the infectivity.

Synonyms : C.37; Lambda variant

References :

1. Tracking SARS-CoV-2 variants.

2. SARS-CoV-2 lambda variant escapes immune response via spike mutations.

3. It Is Time To Pay Close Attention To The Lambda Variant Now Devastating South America.