

Recombinant SARS-CoV-2 Spike RBD-SD1(V367F)(His Tag)

RPES7112

Description

This high-purity recombinant protein is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Protein Information

SKU: RPES7112

Purity: > 95 % as determined by reducing SDS-PAGE.

Contents: 500µg
Bradford Reagent: 1 vial (2ml)

Concentration: Subject to label value.

Species: SARS-CoV-2

Endotoxin: Please contact us for more information.

Synonyms: 2019-nCoV S protein RBD, S protein RBD, SARS-CoV-2 Spike RBD

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Store Bradford Reagent at Room Temperature for 1 year.

Tag: C-His

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.

Expression Host: HEK293 Cells

Bio-Activity: Immobilized Human ACE-2-Fc(RPES0028) at 5µg/ml (100 µl/well) can bind 2019-nCoV S Protein RBD-SD1-His(RPES0013). The ED50 of RPES0013 is 1.7ug/ml. Immobilized Human ACE-2-Fc(RPES0028) at 5µg/ml (100 µl/well) can bind 2019-nCoV S Protein RBD-SD1(V367F, C-6His) (RPES7112). The ED50 of RPES7112 is 0.8ug/ml. Immobilized Anti-2019-nCoV S1 mAb (5D9)at 5µg/ml (100 µl/well) can bind 2019-nCoV S Protein RBD-SD1-His(RPES0013). The ED50 of RPES0013 is 1. 28 ug/ml. Immobilized Anti-2019-nCoV S1 mAb (5D9)at 5µg/ml (100 µl/well) can bind 2019-nCoV S Protein RBD-SD1(V367F, C-6His)(RPES7112). The ED50 of RPES7112 is 2. 55 ug/ml.

Calculated MW: 31.4 kDa

Formulation: Supplied as a 0.2 µm filtered solution of PBS, pH7.4.

Manufacturers Statement: This final kit system is assembled and quality-released by Assay Genie Limited.

Observed MW: 30-40 kDa

Reconstitution: -

Accession: QHD43416.1

Source: HEK293 Cells-derived SARS-CoV-2 SARS-CoV-2 Spike RBD-SD1(V367F) protein Arg319-Ser591(Val367Phe), with an C-terminal His

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

Sequence: Arg319-Ser591(Val367Phe)

Notes: Centrifuge before opening to ensure complete recovery of vial contents.

Form: Liquid