

**Spike Glycoprotein (Stabilized) from SARS Coronavirus, Tor2 with C-Terminal Histidine and Strep® II Tags, Recombinant from HEK293 Cells**

**Catalog No. NR-53590**

This reagent is the tangible property of the U.S. Government.

**Product Description:**

A recombinant form of the spike (S) glycoprotein from severe acute respiratory syndrome coronavirus (SARS-CoV), Tor2 (GenPept: [NP\\_828851](#)) was produced by transient transfection into human embryonic kidney HEK293 (Freestyle 293F) cells and purified by immobilized metal affinity (Ni-NTA) and gel filtration (16/600 Superdex 200) chromatography. NR-53590 lacks the signal sequence and contains 1177 residues (ectodomain) of the SARS-CoV S glycoprotein; the recombinant protein was stabilized by KV→PP mutations (residues 968 and 969), and includes a T4 foldon trimerization domain, HRV3C protease cleavage site, and C-terminal octa-histidine and Strep® II tags.

**Lot: 70038006**

**Manufacturing Date: 24JUL2020**

TEST	SPECIFICATIONS	RESULTS
<b>Appearance</b>	Report results	Clear
<b>Purity</b> Analytical Fast Protein Liquid Chromatography (FPLC)	Report results	Peak observed at expected retention time (Figure 1)
<b>Protein Concentration (A<sub>280</sub>)</b>	Report results	0.25 mg per mL
<b>Final Product</b> Amount per vial Volume per vial	Report results Report results	25 µg 100 µL
<b>Functional Activity</b> ELISA <sup>1</sup>	Report results	Reactive (Figure 2)

<sup>1</sup>Using SARS-CoV-2 (2019-nCoV) Spike S1 Antibody, Rabbit MAb (Sino Biological catalog number 40150-R007)

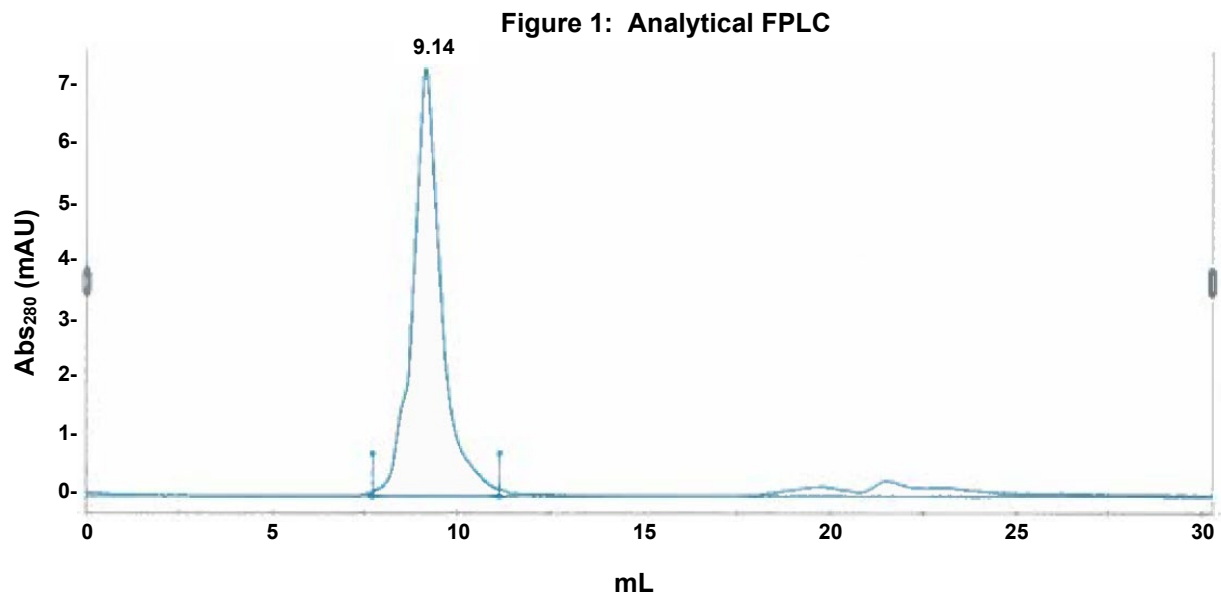
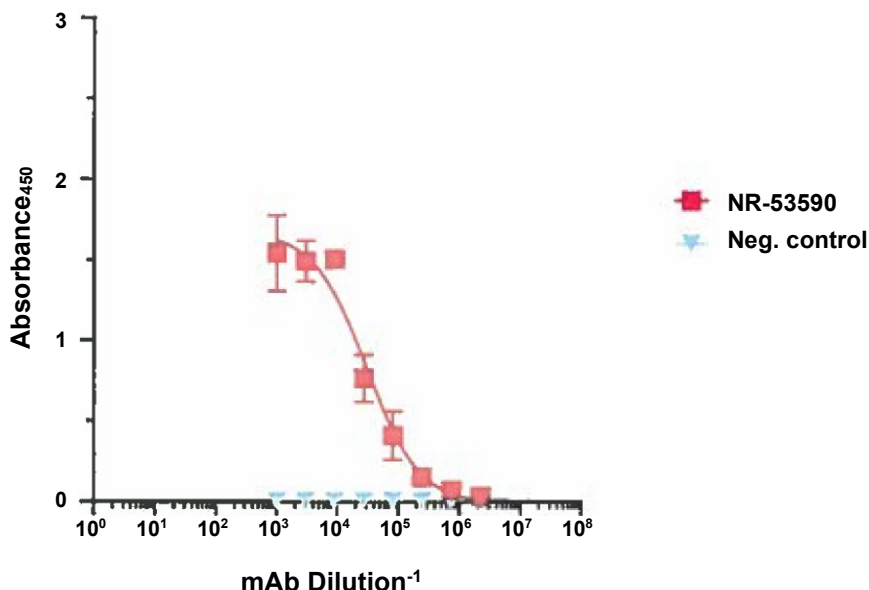


Figure 2: ELISA



/Heather Couch/

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31 AUG 2020

Program Manager or designee, ATCC Federal Solutions

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