SARS-CoV-2 JN.1 Omicron Variant Recombinant Spike Trimer His Tag

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For Research Use Only. Not For Use In Diagnostic Procedures.

Applications	Detection	Clonality	Isotype
ELISA	Anti-SARS-CoV-2 mAb	Monoclonal	Other

Format: Unconjugated

Cross Reactivity: Predicted to work with mouse, rat and other homologues.

Formulation: PBS, 0.025% NaN3

Preparation: His tag purification

Reactivity: Other

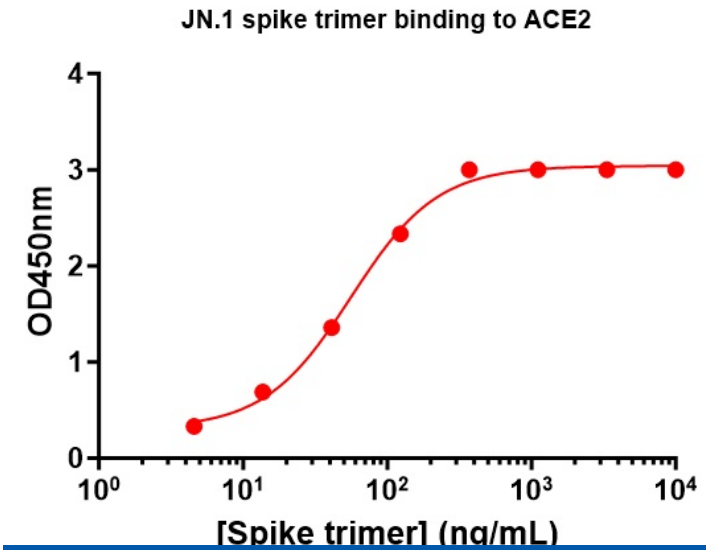
Recommended Usage: Control antigen for SARS-CoV-2 (COVID-19) diagnostic assays. Contains C-terminal His tag used for purification.

Immunogen: N/A

Description: N/A

References:

1. Walls A.C. et al., 2019 Cell, 176: 1026-1039.
2. Tang T. et al., 2020, Antiviral Res., 178:10479.
3. Jiang S et al., 2022, Trends Immunol, 41:355-359.
4. Bosch BJ, et al., 2003, J Virol 77:8801-8811.



Concentration response curves for binding of CoV2 spike protein to human ACE2 in
cell-free ELISA-type assays. Microtiter wells were coated with 100 uL of ACE2-Fc at 2
ug/mL in PBS at 4oC overnight. The wells were washed with PBS and blocked with 200 ?L
of 1% BSA/PBS at RT for 1 hour. Spike trimer was serially diluted from 10 ?g/mL in 1%
BSA/PBS. The blocker was discarded, and the wells were incubated with 100 ?L of serially
diluted spike trimer at RT for 1 hour. The wells were washed with PBS and the bound spike
trimer was detected with 100 ?L of Peroxidase AffiniPure Rabbit Anti-His Tag (Jackson
Immuno Research 300-035-240)(1:5,000 in 1% BSA/PBS) at RT for 1 hour. The wells were
washed with PBS and the wells were developed with 100 ?L

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Horseradish Peroxidase Substrate (EMD Millipore ES022-500ml) at RT for 5 min. The
reaction was stopped with 100 ?L of 0.6N H2SO4 and the signals were read at 450 nm
using a plate reader (Biotek).

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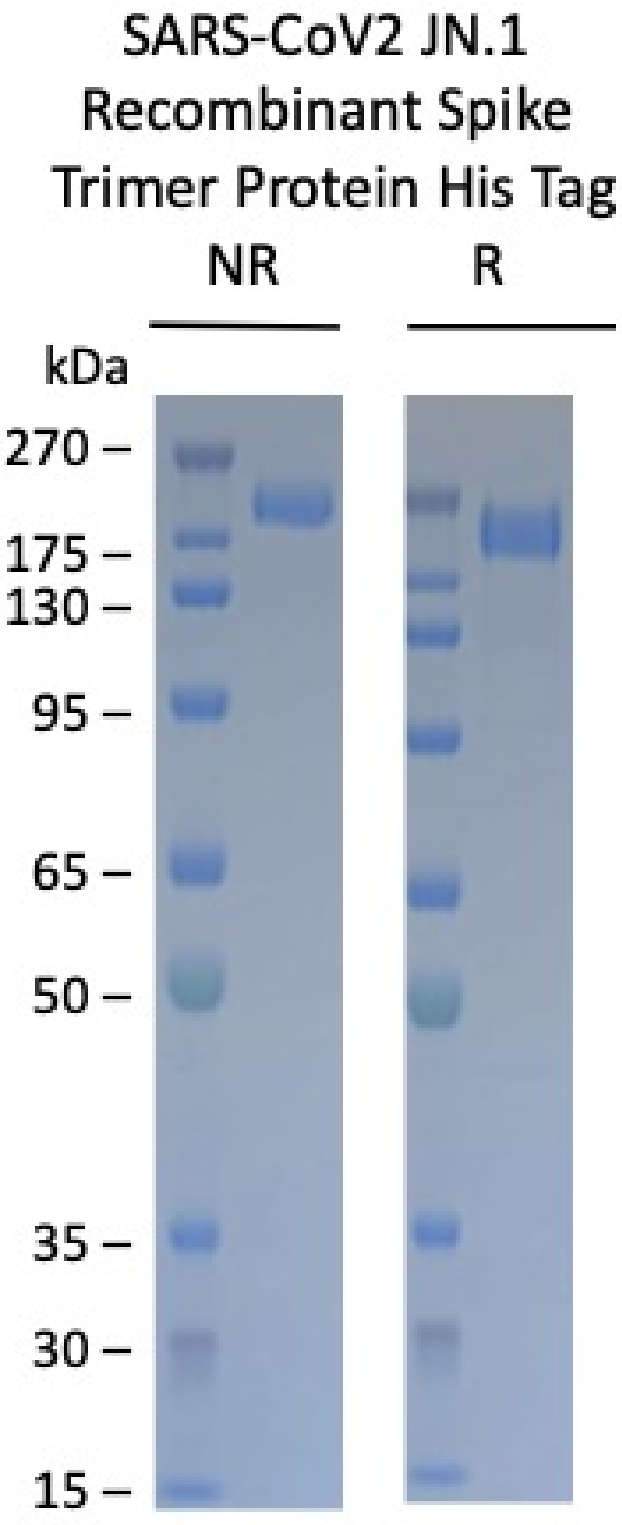

SARS-CoV-2 Spike Trimer, His Tag JN.1 Omicron on SDS-PAGE under non-reducing
(NR) and reducing (R) conditions. The gel was stained with Coomassie G-250 per
manufacturer instructions. The purity of the protein is greater than 95% and it is between
175 and 270 kDa.

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