

SARS-CoV-2 FL.1.5.1 Omicron Variant Recombinant Spike Trimer His Tag

www.abwizbio.com
Support: info@abwizbio.com
Order: sales@abwizbio.com

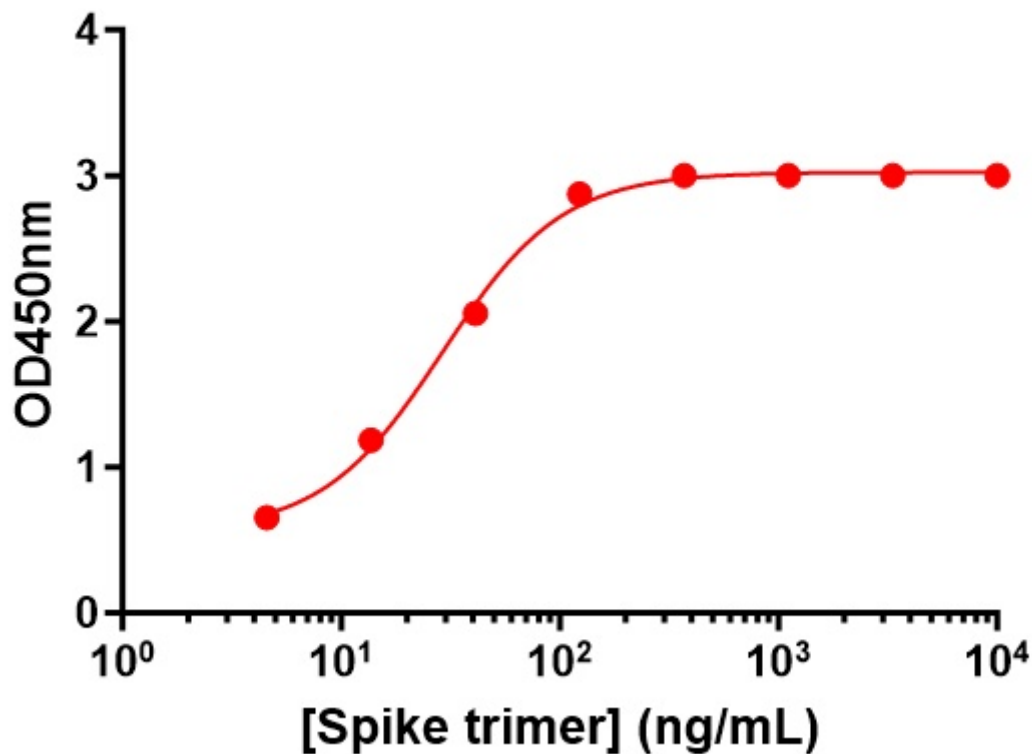
Catalog: #2776

Store at: 2-8°C

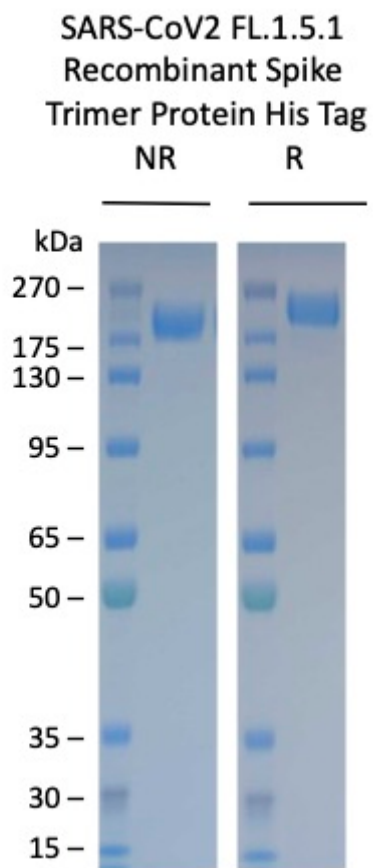
For Research Use Only. Not For Use In Diagnostic Procedures.

| Applications | Detection | Clonality | Isotype |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------|
| ELISA | Anti-SARS-CoV-2 mAb | SARS-CoV-2 | 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: | | | |
| References: | <div>1. Walls A.C. et al., 2019 Cell, 176: 1026-1039.</div> <div>2. Tang T. et al., 2020, Antiviral Res., 178:10479.</div> <div>3. Jiang S et al., 2022, Trends Immunol, 41:355-359.</div> <div>4. Bosch BJ, et al., 2003, J Virol 77:8801-8811.</div> | | |

FL.1.5.1 spike trimer binding to ACE2



Concentration response curves for binding of CoV2 spike protein to human ACE2 in cell-free ELISA-type assays. Microtiter wells were coated with 100 μ L of ACE2-Fc at 2 μ g/mL in PBS at 4C overnight. The wells were washed with PBS and blocked with 200 μ L of 1% BSA/PBS at RT for 1 hour. Spike trimer was serially diluted from 10 μ g/mL in 1% BSA/PBS. The blocker was discarded, and the wells were incubated with 100 μ 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 μ 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 μ L of MB/E Ultra-Sensitive, Blue, Horseradish Peroxidase Substrate (EMD Millipore ES022-500ml) at RT for 5 min. The reaction was stopped with 100 μ L of 0.6N H₂SO₄ and the signals were read at 450 nm using a plate reader (Biotek).



SARS-CoV-2 Spike Trimer, His Tag (FL.1.5.1 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.