

# SARS-CoV-1 B039 Recombinant Spike Trimer His Tag

[www.abwizbio.com](http://www.abwizbio.com)

Support: [info@abwizbio.com](mailto:info@abwizbio.com)

Order: [sales@abwizbio.com](mailto:sales@abwizbio.com)

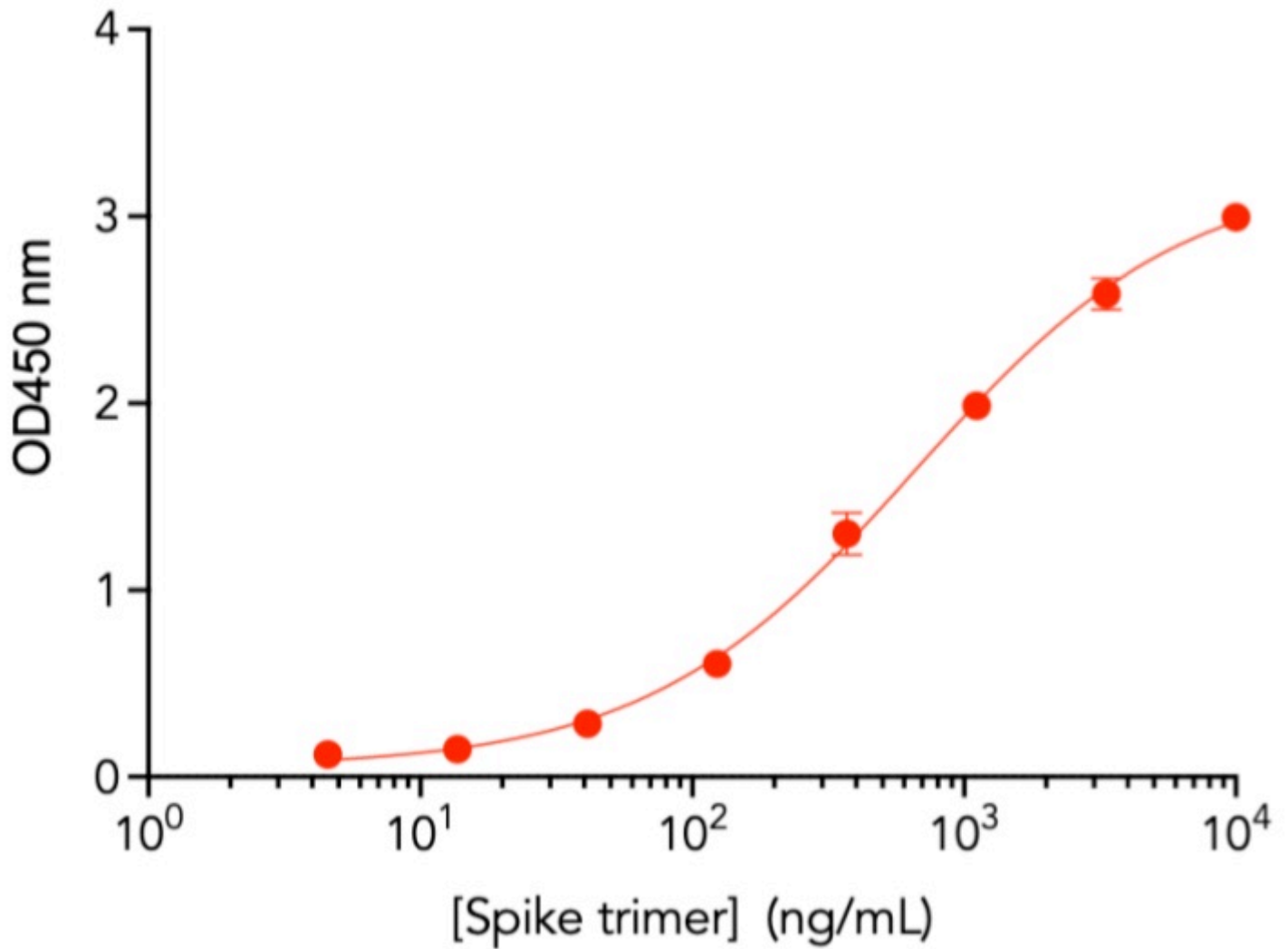
**Catalog:** #2716

**Store at:** 2-8°C

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

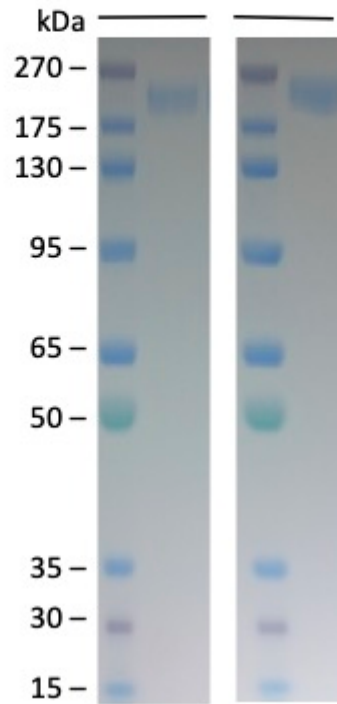
Applications	Detection	Clonality	Isotype
ELISA	Anti-SARS-CoV-2 mAb	SARS-CoV-2	Other
<b>Format:</b>	Unconjugated		
<b>Cross Reactivity:</b>	Predicted to work with mouse, rat and other homologues.		
<b>Formulation:</b>	PBS, 0.025% NaN <sub>3</sub>		
<b>Preparation:</b>	His tag purification		
<b>Reactivity:</b>	Other		
<b>Recommended Usage:</b>	Control antigen for SARS-CoV-1 diagnostic assays. Contains C-terminal His tag used for purification.		
<b>Immunogen:</b>	N/A		
<b>Description:</b>			
<b>References:</b>	<ol style="list-style-type: none"><li>1. Liu J et al., Int J Surg, 2020, 81:1-8.</li><li>2. Gallagher T.M. et al., Virology, 2001, 279:371-374.</li><li>3. Li W., et al., Nature 2003, 426:450-454.</li><li>4. Shang J., et al., Nature, 2020, 581:221-224.</li></ol>		

## SARS-CoV-1 B039 spike trimer binding to ACE2



Concentration-response curves for binding of CoV1 spike protein to human ACE2 in cell-free ELISA-type assays. Microtiter wells were coated with 100  $\mu$ L of ACE2-Fc at 2  $\mu$ g/mL in PBS at 4°C overnight. The wells were washed with PBS and blocked with 200  $\mu$ L of 1% BSA/PBS at RT for 1 hour. Spike trimer was serially diluted from 10  $\mu$ g/mL in 1% BSA/PBS. The blocker was discarded, and the wells were incubated with 100  $\mu$ 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  $\mu$ 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  $\mu$ 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  $\mu$ L of 0.6N H<sub>2</sub>SO<sub>4</sub> and the signals were read at 450 nm using a plate reader (Biotek).

SARS-CoV1 B039  
Recombinant Spike  
Trimer Protein His Tag  
NR R



SARS-CoV-1 Spike Trimer, His Tag (B039) 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.