

Version: 01

Update: 01/17/2022

## SARS-CoV-2 (Omicron) Neutralizing Antibody Standard

Cat. No.	Name										
V80402	SARS-CoV-2 (Omicron) Neutralizing Antibody Standard										
<b>Specificity</b>	<p>The product is specific for SARS-CoV-2 RBD domain.</p> <p>The product can recognize and neutralize Wild-Type SARS-CoV-2 and five Variants of Concern (VOC) including Alpha, Beta, Gamma, Delta, and Omicron.</p>										
<b>Unitage</b>	The unitage of this product has been defined as an arbitrary unit of 800,000 U/ml.										
<b>Isotype</b>	IgG										
<b>Clonality</b>	Cocktail										
<b>Formulation</b>	0.2 µm filtered PBS, pH 7.2										
<b>Storage</b>	The unopened product is stable up to the stated expiration date when stored at -25°C~-15°C. The opened product is stable for 1 month from the date of opening when stored at 2°C - 8°C. Avoid repeated freezing and thawing cycles.										
<b>Application</b>	<table border="1"> <thead> <tr> <th>Items</th> <th>Recommended Usage</th> </tr> </thead> <tbody> <tr> <td>Surrogate Virus Neutralization Test (sVNT)</td> <td>10 U/ml - 1,200 U/ml</td> </tr> <tr> <td>Pseudovirus Neutralization Test (pVNT)</td> <td>User-optimized</td> </tr> <tr> <td>Plaque Reduction Neutralization Test (PRNT)</td> <td>User-optimized</td> </tr> <tr> <td>Other applications</td> <td>User-optimized</td> </tr> </tbody> </table>	Items	Recommended Usage	Surrogate Virus Neutralization Test (sVNT)	10 U/ml - 1,200 U/ml	Pseudovirus Neutralization Test (pVNT)	User-optimized	Plaque Reduction Neutralization Test (PRNT)	User-optimized	Other applications	User-optimized
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<b>Background</b>	<p>The new SARS-CoV-2 variant Omicron (B.1.1.529) was first identified in South Africa and classified as a variant of concern (VOC). Following the quick rise of the Delta variant, Omicron's emergence is concern of scientists due to the impressive number of mutations within the Spike protein (~ 30 mutations). The increased number of mutations in Spike's receptor-binding domain (RBD) may affect this variant interaction with the ACE2 or neutralizing antibodies. This product is intended for the calibration of SARS-CoV-2 (Omicron) neutralizing antibodies in the materials or samples. It can be used in the assessment and development of assays for the detection and quantitation of SARS-CoV-2 (Omicron) neutralizing antibodies.</p>										
<b>Note</b>	GenScript can customize this product per customer's request including product										

size, buffer components, etc.

*For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.*