Humanized IgG Monoclonal Antibody against SARS-CoV-2 Nucleocapsid Protein (NP)

**Cat No.:** 41A227  
**Specification:** 20µl per vial (10 x concentrated)

**Description**
An IgG monoclonal antibody to SARS-CoV-2 nucleocapsid protein (NP) with high affinity was made by genetic engineering approach. It mimics the anti-NP IgG antibody in the patients’ serum or plasma specimens, and can react with coated antigens and secondary detectors in ImmunoDiagnositics’ SARS-CoV-2 NP IgG ELISA Kit (Cat No. 41A222 and 41A222R) as the positive control.

This product is intended for use by professional persons only.  
This product is intended for research use only.

**Dilution & Preparation**
Each tube contains 20µl 10x Anti NP IgG monoclonal antibody. Centrifuge it briefly before open the tube. Add 200µl of 1x Phosphate-buffered saline (PBS) or 1x Assay Buffer included in SARS-COV-2 NP IgG ELISA Kit (Cat No. 41A222 or 41A222R) into each tube and mix the samples thoroughly.

**Application**
Positive control for SARS-CoV-2 NP IgG ELISA. 100µl per ELISA test.

**Storage**
Store at 4 degrees, up to 3 months.

**Quality Control Test**
The purity of humanized IgG MAb to SARS-CoV-NP is characterized by SDS-PAGE while the activity is evaluated by ELISA.

The Absorbance at 450nm of humanized IgG MAb to SARS-CoV-NP is > 0.5.

**Typical Results (example only)**

<table>
<thead>
<tr>
<th>Samples</th>
<th>Absorbance (450 nm)</th>
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<tbody>
<tr>
<td>Positive Control</td>
<td>2.32</td>
</tr>
<tr>
<td></td>
<td>2.25</td>
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<tr>
<td>Serum sample from healthy subjects</td>
<td>0.132</td>
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<tr>
<td></td>
<td>0.134</td>
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