

## PRODUCT INFORMATION

**Human anti-SARS-CoV & CoV-2 NP Antibody (IgG), clone 104**

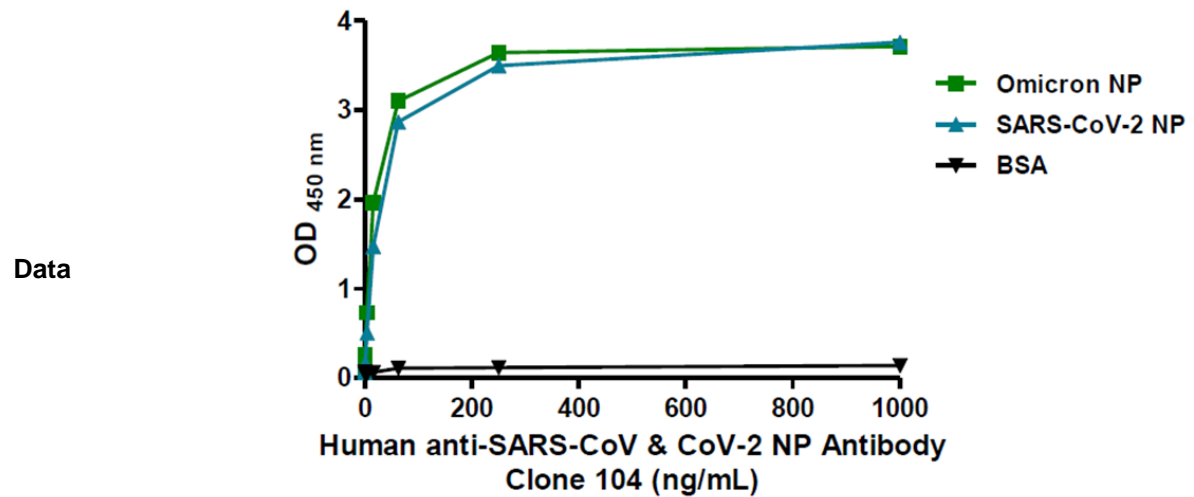
v. 230201

<b>Catalog number</b>	C10025-100UG / C10025-1MG																																										
<b>Package</b>	100 µg / 1 mg																																										
<b>Description</b>	Human anti-SARS-CoV & CoV-2 NP antibody recognize human SARS Coronavirus Nucleocapsid protein (NP). Coronavirus NP localize to the cytoplasm and the nucleolus in both Virus-like particle (VLP) infected primary cells and in cells transfected with NP plasmid. NP has abundant expression in coronavirus and is a highly immunogenic phosphoprotein. NP is also conserved in sequence. Due to these characteristics above, the NP is an ideal marker for diagnosis.																																										
<b>Product type</b>	Recombinant Human IgG, clone 104																																										
<b>Concentration</b>	1 mg/mL																																										
<b>Immunogen</b>	N/A																																										
<b>Host</b>	N/A																																										
<b>Reactivity</b>	<p>Recognize SARS-CoV &amp; CoV-2 NP in Lateral Flow, when clone 104 antibody was paired with Mouse anti-SARS-CoV &amp; CoV-2 NP mAb, clone 102-7 (cat. C10011-100UG), Human anti-SARS-CoV &amp; CoV-2 NP Antibody (IgG) (cat. C10004-100UG), or clone 103 (cat. C10024-100UG / C10024-1MG).</p> <p>Recognize mutant coronavirus nucleocapsid proteins:</p> <table border="1"> <thead> <tr> <th></th> <th>Mutations</th> <th>Variant</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>D3L, S235F</td> <td>Alpha (B.1.1.7)</td> </tr> <tr> <td>2</td> <td>T205I</td> <td>Beta (B.1.351)</td> </tr> <tr> <td>3</td> <td>P80R</td> <td>Gamma (P.1)</td> </tr> <tr> <td>4</td> <td>D377Y</td> <td>(B.1.617)</td> </tr> <tr> <td>5</td> <td>P199L, M234I</td> <td>Iota (B.1.526)</td> </tr> <tr> <td>6</td> <td>A12G, T205I</td> <td>Eta (B.1.525)</td> </tr> <tr> <td>7</td> <td>R203M, D377Y</td> <td>Kappa (B.1.617.1)</td> </tr> <tr> <td>8</td> <td>G18S, A119S, A217S, M234I, E367Q</td> <td>(B.1.618)</td> </tr> <tr> <td>9</td> <td>D63G, R203M, D377Y</td> <td>Delta (B.1.617.2)</td> </tr> <tr> <td>10</td> <td>P67S, R203M, D377Y</td> <td>(B.1.617.3)</td> </tr> <tr> <td>11</td> <td>P13L, R203K, G204R, G214C</td> <td>Lambda (C.37)</td> </tr> <tr> <td>12</td> <td>D63G, R203M, G215C, D377Y</td> <td>Delta plus (AY.1)</td> </tr> <tr> <td>13</td> <td>P13L, ERS31-33 deletion, R203K, G204R</td> <td>Omicron (B.1.1.529)</td> </tr> </tbody> </table>		Mutations	Variant	1	D3L, S235F	Alpha (B.1.1.7)	2	T205I	Beta (B.1.351)	3	P80R	Gamma (P.1)	4	D377Y	(B.1.617)	5	P199L, M234I	Iota (B.1.526)	6	A12G, T205I	Eta (B.1.525)	7	R203M, D377Y	Kappa (B.1.617.1)	8	G18S, A119S, A217S, M234I, E367Q	(B.1.618)	9	D63G, R203M, D377Y	Delta (B.1.617.2)	10	P67S, R203M, D377Y	(B.1.617.3)	11	P13L, R203K, G204R, G214C	Lambda (C.37)	12	D63G, R203M, G215C, D377Y	Delta plus (AY.1)	13	P13L, ERS31-33 deletion, R203K, G204R	Omicron (B.1.1.529)
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<b>Conjugation</b>	N/A																																										
<b>Isotype</b>	IgG <sub>1</sub>																																										

<b>Purity</b>	>95% (SDS-PAGE)
<b>Form</b>	Liquid
<b>Storage buffer</b>	Phosphate Buffered Saline containing 0.2% Proclin 300, pH 7.4.
<b>Storage</b>	Store at 4°C for two weeks. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
<b>Application</b>	ELISA, CLIA, LFIA
<b>Application Note</b>	N/A

<b>Manual</b>	<b>Application</b>	<b>Dilution factor</b>
	ELISA	1:5000-20000

Note: Application concentration may be various determined by the end user.



ELISA titration of Human anti-SARS-CoV & CoV-2 NP Antibody, clone 104

*For Research Use Only.*