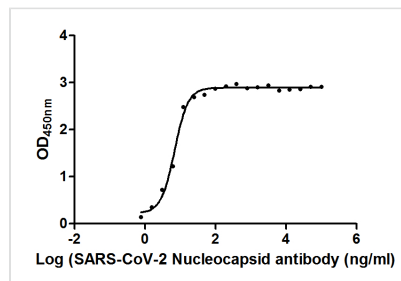




N Antibody

Product Code	CSB-RA33255A0GMY
Abbreviation	N
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P0DTC9
Immunogen	Recombinant Human Novel Coronavirus Nucleoprotein (N) (1-419aa)(CSB-EP3325GMY)
Species Reactivity	Human Novel Coronavirus (SARS-CoV-2/ 2019-nCoV)
Tested Applications	ELISA, GICA; Recommended dilution: ELISA:1:10000-1:50000, GICA:1:500-1:2000
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Purification Method	Affinity-chromatography
Isotype	Monoclonal mouse (variable region)/human (kappa/IgG1 constant)chimeric antibody
Clonality	Monoclonal
Alias	Nucleocapsid protein, NC, protein N, N
Species	Human Novel Coronavirus (SARS-CoV-2/ 2019-nCoV)
Research Area	Microbiology
Gene Names	N (Nucleoprotein)
Accession NO.	1A6

Image

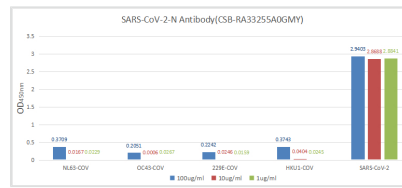


The Binding Activity of SARS-CoV-2-N Antibody with SARS-CoV-2-N

Activity: Measured by its binding ability in a functional ELISA. Immobilized SARS-CoV-2-N (CSB-EP3325GMY) at 2 µg/ml can bind SARS-CoV-2-N Antibody, the EC₅₀ is 6.892 ng/ml.



In the Colloidal Gold Immunochromatography Assay detection system, the background of antibody (CSB-RA33255A0GMY) is clean, the detection limit can be as low as 446.4ng/ml (31.25ng/0.07ml), and the sensitivity is very good.



ELISA: Immobilize various types of SARS proteins at concentration of 2µg/ml on solid substrate, then react with SARS-CoV-2-N Antibody at concentration of 100µg/ml, 10µg/ml and 1µg/ml. It shows the SARS-CoV-2-N Antibody (CSB-RA33255A0GMY) is specific for SARS-CoV-2-N protein, without any cross-reactivity with NL63-CoV, HCoV-OC43, HCoV-229E or HCoV-HKU1.

Description

Recombinant anti-SARS-CoV-2 Nucleoprotein Mouse ScFv is expressed from 293 cells (HEK293), It is a chimeric monoclonal antibody combining the mouse variable regions with the constant domains of human IgG1.