Rev05
Update: Dec,13,2022

DATASHEET

SARS-CoV-2 Nucleocapsid Antibody (N22IgA), Human Chimeric

Cat. No.: A02090

Overview

Specificity	The product is specific for SARS-CoV-2 Nucleocapsid protein.
Host Species	Human
Immunogen	Recombinant SARS-CoV-2 Nucleocapsid protein
Conjugate	Unconjugated

Applications

Working concentrations for specific applications should be determined by the investigators. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

Application	Recommended Usage
ELISA	0.01-0.5 μg/ml

Properties

Form	Liquid
Storage Buffer	Supplied in PBS, pH 7.2, containing 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instructions	Store at -20°C. This product is stable for 1 year upon receipt, when handled and stored as instructed. Avoid repeated freezing and thawing cycles.
Purification	Affinity chromatography
Isotype	Recombinant human IgA
Clonality	Monoclonal

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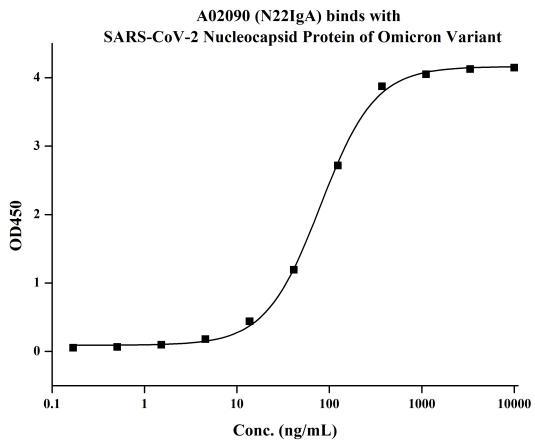
Clone ID	N22IgA
Note	GenScript can customize this product per customer's request including product size, buffer components, etc.

Examples

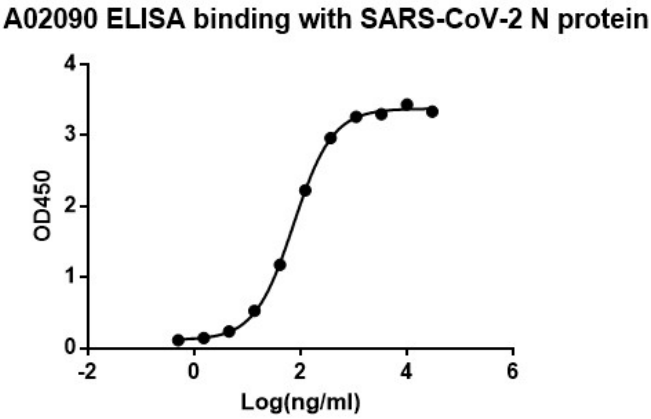


ELISA binding of SARS-CoV-2 Nucleocapsid Antibody (N22IgA), Human Chimeric (GenScript, A02090) with SARS-CoV-2 Nucleocapsid protein (G204R, R203K) (GenScript, Z03731).

Coating antigen: SARS-CoV-2 Nucleocapsid protein (G204R, R203K), 1 μg/ml.

SARS-CoV-2 Nucleocapsid Antibody (N22IgA), Human Chimeric (GenScript, A02090) dilution start from 10 μg/ml.

EC50= 0.079 μg/ml.



ELISA binding of SARS-CoV-2 Nucleocapsid Antibody (N22IgA), Human Chimeric (GenScript, A02090) with SARS-CoV-2 Nucleocapsid protein.
Coating antigen: Nucleocapsid protein (GenScript, Z03488), 1 μg/ml.
SARS-CoV-2 Nucleocapsid Antibody (N22IgA), Human Chimeric (GenScript, A02090) dilution start from 500 ng/ml.
EC_{50}= 74.42 ng/ml.

Background

Target Background : SARS-CoV-2 (Severe acute respiratory syndrome coronavirus 2), also known as 2019-nCoV, is a positive-sense single-stranded RNA virus. It caused coronavirus disease 2019 (COVID-19). Nucleocapsid Protein is a most abundant structure protein of the coronavirus which is associated with nucleic acid.SARS-CoV-2 Nucleocapsid Antibody (N22IgA), Human Chimeric is produced from cell culture in vitro under conditions free from animal-derived components.

Synonyms : 2019-nCoV Nucleocapsid IgA Antibody, SARS-CoV-2 NP antibody.

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

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