

Product datasheet

Anti-SARS Nucleocapsid Protein antibody [CR3009 (03-009)] ab275984

Recombinant

[2 Images](#)

Overview

Product name	Anti-SARS Nucleocapsid Protein antibody [CR3009 (03-009)]
Description	Rabbit monoclonal [CR3009 (03-009)] to SARS Nucleocapsid Protein
Host species	Rabbit
Tested applications	Suitable for: ELISA
Species reactivity	Reacts with: SARS-CoV, SARS-CoV-2
Immunogen	Tissue, cells or virus corresponding to Human SARS Nucleocapsid Protein. This antibody recognizes and binds the non-linear/conformational epitope of the N protein of SARS CoV and also binds the SARS CoV2 Nucleocapsid Protein. Database link: P0DTC9 , P59595
Positive control	ELISA: SARS-CoV-2 Nucleocapsid Proteins.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.02% Proclin 300 Constituent: 99.98% PBS
Purity	Protein A purified
Clonality	Monoclonal
Clone number	CR3009 (03-009)
Isotype	IgG
Light chain type	kappa

Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab275984 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ELISA		Use a concentration of 10 µg/ml. A 3-fold serial dilution from 10,000 ng/ml.

Target

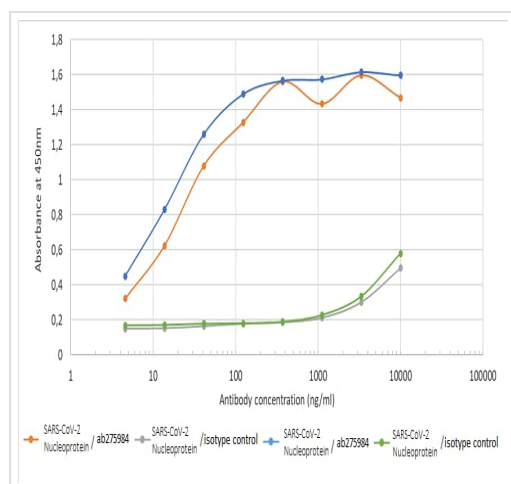
Relevance

Severe Acute Respiratory Syndrome (SARS), an emerging disease characterized by atypical pneumonia, has recently been attributed to a novel coronavirus (SARS-CoV). SARS is caused by a human coronavirus, which are the major cause of upper respiratory tract illness in humans, such as the common cold. Coronaviruses are positive stranded RNA viruses, featuring the largest viral RNA genomes known to date (27-31 kb). The spike protein is the main surface antigen of the coronavirus. The most prominent protein in the culture supernatants infected with SARS virus is a 46 kDa nucleocapsid protein. This suggests that the nucleocapsid protein is a major immunogen that may be useful for early diagnostics. The nucleocapsid protein of SARS shares little homology with nucleocapsid proteins of other members of the coronavirus family. Nucleocapsid proteins of other coronavirus have been reported to be involved in forming the viral core and also in the packaging and transcription of the viral RNA.

Cellular localization

Inside the virion, complexed with the viral RNA. May be associated with cellular membranes where it participates in viral RNA synthesis and virus budding.

Images



ELISA Plate coated with SARS-CoV-2 Nucleocapsid Proteins at a concentration of 5 µg/ml. A 3-fold serial dilution from 10,000 ng/ml was performed using ab275984. For detection, a 1/4000 dilution of HRP-labelled anti-rabbit antibody was used. Rabbit anti-Fluorescein antibody was used as a control.

ELISA - Anti-SARS Nucleocapsid Protein antibody
[CR3009 (03-009)] (ab275984)

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-SARS Nucleocapsid Protein antibody [CR3009 (03-009)] (ab275984)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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