

Rev03
 Update: Dec,14,2021

DATASHEET

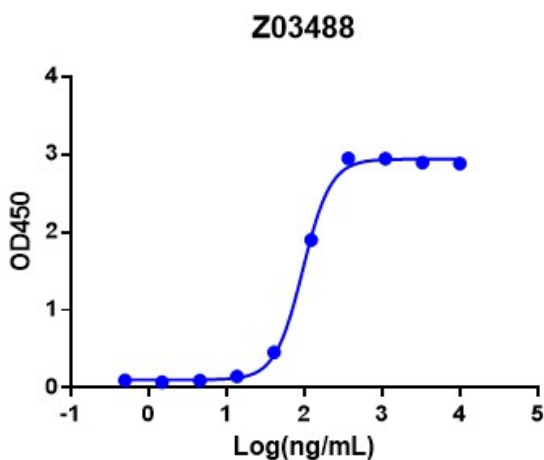
SARS-CoV-2 Nucleocapsid protein

Cat. No.: Z03488

Product Introduction

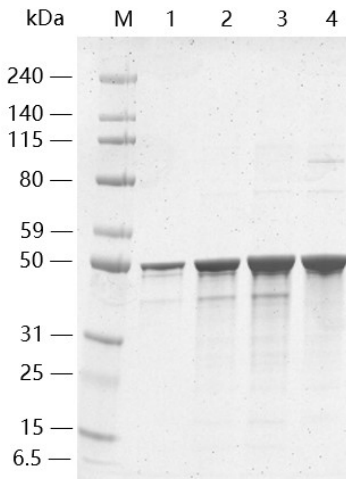
Species	SARS-CoV-2
Protein Construction	N protein (Ser2-Ala419) Accession # P0DTC9
Purity	> 90% as analyzed by SDS-PAGE
Biological Activity	SARS-CoV-2 Nucleocapsid protein can bind with SARS-CoV-2 Nucleocapsid Antibody (HC2003), Human Chimeric(Cat. No. A02039) in functional ELISA assay.
Expression System	E. coli
Theoretical Molecular Weight	46 kDa
Formulation	Supplied as a solution in PBS pH 7.4 containing 10% glycerol.
Concentration	Please refer to the COA for the specific lot.
Storage & Stability	Upon receiving, this product remains stable for up to 6 months at -20°C or below. Avoid repeated freeze-thaw cycles.

Examples



Immobilized SARS-CoV-2 Nucleocapsid Antibody (HC2003), Human Chimeric (Cat. No. A02039) at 2 µg/mL can bind SARS-CoV-2 Nucleocapsid protein (Cat. No. Z03488) with a serial dilution.

SARS-CoV-2 Nucleocapsid Antibody (HC2003) conjugated Biotin and Streptavidin-HRP (M00091), are used as a secondary antibody (1 µg/mL, 0.2 µg/mL).



Lane 1: 1 μ g of SARS-CoV-2 Nucleocapsid protein, reducing(R)
Lane 2: 3 μ g of SARS-CoV-2 Nucleocapsid protein, reducing(R)
Lane 3: 5 μ g of SARS-CoV-2 Nucleocapsid protein, reducing(R)
Lane 4: 5 μ g of SARS-CoV-2 Nucleocapsid protein, non-reducing(NR)
> 90% as analyzed by SDS-PAGE

Background

Target Background : SARS-CoV-2 (Severe Acute Respiratory Syndrome Coronavirus 2) also known as 2019-nCoV (2019 Novel Coronavirus) is a virus that causes illnesses ranging from the common cold to severe diseases. SARS-CoV-2 Nucleocapsid Protein is associated with nucleic acid. It is the most abundant protein for coronavirus. Because of the strong immunogenicity of coronavirus Nucleocapsid, it is believed that SARS-CoV-2 Nucleocapsid Protein has potential value for the diagnosis of the virus.

Synonyms : Coronavirus NP; coronavirus Nucleocapsid; coronavirus Nucleoprotein; Novel coronavirus Nucleoprotein; 2019-nCoV N protein

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