

GeneMedi's SARS-CoV-2 NP Antibodies are validated to detect the NP antigen of the Omicron variant in ELISA

The Omicron variant aka B.1.1.529 lineage is by far the most divergent SARS-CoV-2 variant. This variant has a large number of mutations, some of which are concerning. It is critical to re-evaluate the effectiveness of the current diagnostics and therapeutics against this new variant. GeneMedi has developed recombinant Omicron Nucleocapsid protein (NP) and validated our NP antibodies (Nab) against the Omicron NP antigen.

Our R&D department found that our Nab have a large linear range and good sensitivity against the Omicron NP antigen, which are similarly against the SARS-COV-2 WT. We tested all antibodies and found that the [Nab006](#) and [Nab003](#) represent the best ED50. Below is the result of GeneMedi's SARS-CoV2 Nab validation with NP antigen in ELISA. I highly recommend them to you.

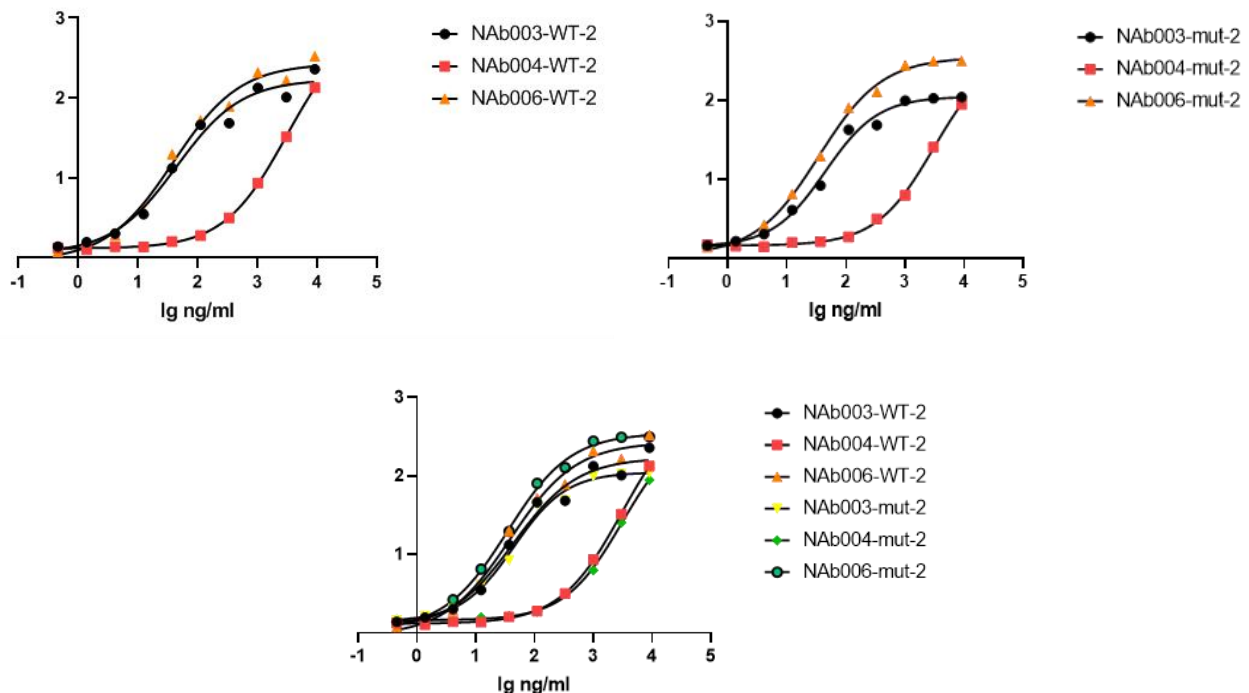


Figure 1. GeneMedi's SARS-CoV2 Nucleocapsid protein (NP) antibody (Nab) are validated to detect the NP antigen of SARS-COV-2 WT ([GMP-V-2019nCoV-N002](#)) or the mutant Omicron variant ([GMP-V-2019nCoV-N003](#)) in ELISA.

NP antibody (Nab)	ED50 (ng/ml)	
	NP (SARS-COV-2 WT)	NP (Omicron variant)
Nab003	43.97	44.55
Nab005	220.9	528.5
Nab006	38.65	34.58
Nab007	319	121.2
Nab008	51.38	72.15

Table 1. ED50 of Nab validation with NP antigen (SARS-COV-2 WT / Omicron variant) in ELISA. The [Nab003](#) and [Nab006](#) represent the most recommended ED50.

Product list

Below is the product list for our SARS-CoV2 Nucleocapsid protein (NP) antibody (Nab) and NP antigen. If you want to order, please click the link and send email to hqq@genemedi.net.

Cat No.	Products Name	Order link
GMP-V-2019nCoV -NAb003	Anti-2019-nCoV NP mouse monoclonal antibody(mAb)	https://www.genemedi.net/i/2019ncov-nab003
GMP-V-2019nCoV -NAb004	Anti-2019-nCoV NP mouse monoclonal antibody(mAb)	https://www.genemedi.net/i/2019ncov-nab004
GMP-V-2019nCoV -NAb005	Anti-2019-nCoV NP human scFv-Fc antibody	https://www.genemedi.net/i/2019ncov-nab005
GMP-V-2019nCoV -NAb006	Anti-2019-nCoV NP Nanobody-Fc antibody	https://www.genemedi.net/i/2019ncov-nab006
GMP-V-2019nCoV -NAb007	Anti-2019-nCoV NP human scFv-Fc antibody	https://www.genemedi.net/i/2019ncov-nab007
GMP-V-2019nCoV -NAb008	Anti-2019-nCoV NP human monoclonal antibody	https://www.genemedi.net/i/2019ncov-nab008
GMP-V-2019nCoV -N002	Recombinant 2019-nCoV(SARS-CoV-2) Nucleocapsid Protein (N protein,N-His tag)	https://www.genemedi.net/i/2019ncov-n002
GMP-V-2019nCoV -N003	Recombinant 2019-nCoV(SARS-CoV-2) Omicron variant aka B.1.1.529 Nucleocapsid Protein (N protein,N-His tag)	https://www.genemedi.net/i/2019ncov-n003



About GeneMedi

GeneMedi

GeneMedi is a BioTech company with strong expertise in Gene&Biogitics discovery, artificail design, and State-of-the-Art Manufacturing.

Our scientists and experts serve global clients in biologics discovery including antibodies, recombinant protein and multiple types of viral vectors. GeneMedi offers Pre-made and custom made recombiant protein and antibodies for drug discovery and diagnostic ingredients.

GeneMedi help scientists from academic to industry in vectors optimization, cell line development, scalable production, process development and technology transfer. GeneMedi GeneTherapy center also help in gene therapy&gene editing discovery and development.

Our Responsibility

1. Pre-made and custom-made recombinant proteins (Antibodies, Enzymes, Membrane protein, Factors and other antigens) for drug discovery and diagnostics ingredients, high quality, bulk in stock.
2. Membrane Protein & antibodies artificail design, discovery and State-of-the-Art manufacturing.
3. High quality, scalable, State-of-the-Art Manufacturing in gene therapy vectors including adeno associated virus (AAV) vector, lentivirus vector and adenovirus vector.
4. AAV gene therapy innovation: AAV capsid evolution and novel AAV generation for next-generation vector of gene therapy



SOCAIL MEDIA



Email: support@genemedi.net | sales@genemedi.net

Telephone: +86-21-50478399 **Fax:** 86-21-50478399

Address: 6th Floor, Building No.2, KangXin Road 3377, Shanghai, China

Leave your message, we will reply in 1 day: www.genemedi.net/contact