

PRODUCT INFORMATION

Anti-Nucleocapsid (NP) Antibody_AK3454

Description:

InVivo offers a series of different monoclonal antibodies for the detection of the Nucleocapsid protein (NP) from SARS-CoV-2. All antibodies come from hybridoma cell lines that were generated by immunization with recombinant N-protein. In SARS-CoV-2 antigen tests, the N-protein is usually targeted, as it is less prone to mutations compared to the Spike (S) protein, and thus is less likely to evade antibody detection.

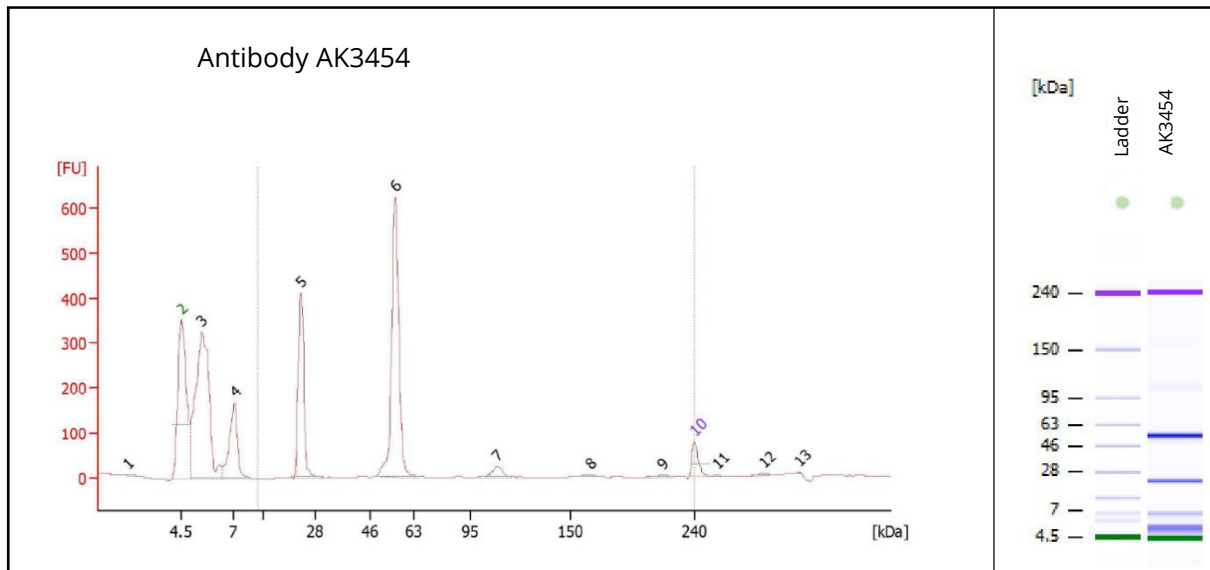
All anti-Nucleocapsid protein (NP) antibodies have been independently tested and are recommended and for use in sandwich ELISA assays.

The antibody is produced exclusively under serum-free conditions from hybridoma and purified through one-step purification with Protein-G affinity chromatography.

Product-ID:	AK3454
Host:	Mouse
Clonality:	Monoclonal
Isotype:	mIgG
Subclass:	mIgG1κ
Formulation:	Liquid, PBS, pH 7.4, 0.2 µm sterile filtered
Concentration:	≥ 0.5 mg/ mL
Purity:	≥ 90% (via analytical CGE under reducing conditions)
Conjugate:	Unconjugated

The product is for research use or for further manufacturing only.

Purity (analytical CGE, under reducing conditions):



Peak	Size [kDa]	% of Total	Observations
1	1.7	0.0	
2	4.5	0.0	Lower Marker
3	5.5	0.0	System Peak
4	7.5	0.0	System Peak
5	24.4	Peak Value 1	Light Chain
6	55.8	Peak Value 2	Heavy Chain
7	109.8	2.9	
8	164.5	0.6	
9	217.2	0.5	
10	240.0	0.0	Upper Marker
11	257.1	0.0	
12	290.1	0.0	
13	316.2	0.0	

Summation of peak values 1 and 2 results in a purity of $\geq 90\%$