

## PRODUCT INFORMATION

### Anti-Nucleocapsid (NP) Antibody\_AK3458

#### 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.

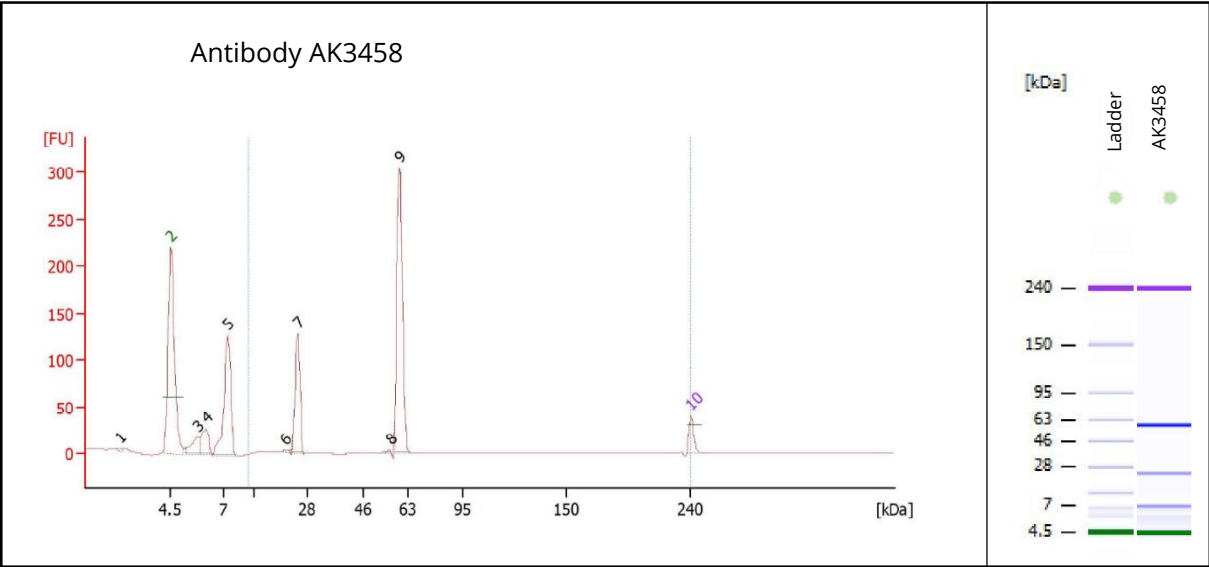
All anti-Nucleocapsid protein (NP) antibodies have been independently tested and are recommended and for use in sandwich ELISA assays.

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

<b>Product-ID:</b>	AK3458
<b>Host:</b>	Mouse
<b>Clonality:</b>	Monoclonal
<b>Isotype:</b>	mIgG
<b>Subclass:</b>	mIgG1κ
<b>Formulation:</b>	Liquid, PBS, pH 7.4, 0.2 µm sterile filtered
<b>Concentration:</b>	≥ 0.5 mg/ mL
<b>Purity:</b>	≥ 90% (via analytical CGE under reducing conditions)
<b>Conjugate:</b>	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	1.8	0.0	
2	4.5	0.0	Lower Marker
3	5.8	0.0	System Peak
4	6.2	0.0	System Peak
5	8.1	0.0	System Peak
6	22.7	0.6	
7	25.6	Peak Value 1	Light Chain
8	56.3	0.6	
9	59.7	Peak Value 2	Heavy Chain
10	240.0	0.0	Upper Marker

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