

## **Anti-Spike (RBD) Antibody\_AK3403**

### **Description:**

InVivo offers a series of different monoclonal antibodies for the detection of the Spike protein from SARS-CoV-2. All antibodies come from hybridoma cell lines that were generated by immunization with the recombinant full-length Spike protein (S) or the receptor-binding domain (RBD).

This antibody has been validated by ELISA and is specifically directed against an epitope that is located on the RBD.

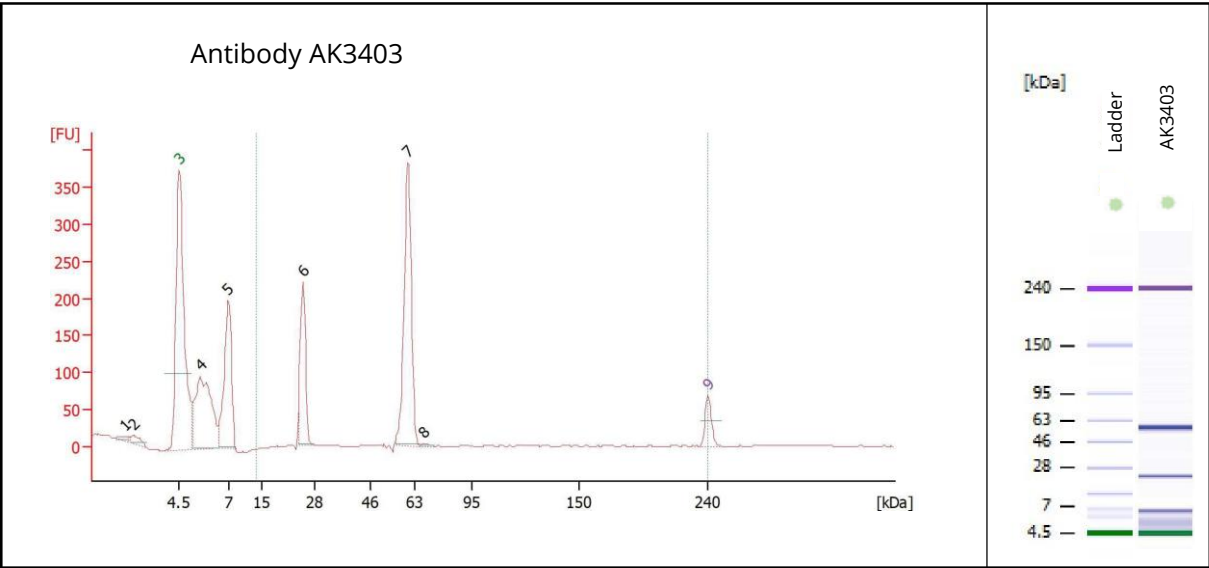
It is also recommended and independently tested for use in sandwich ELISA assays.

All antibodies are produced exclusively under serum-free conditions from hybridoma and purified through one-step purification with Protein-A affinity chromatography.

<b>Product-ID:</b>	AK3403
<b>Host:</b>	Mouse
<b>Clonality:</b>	Monoclonal
<b>Isotype:</b>	IgG
<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	1.7	0.0	
2	2.2	0.0	
3	4.5	0.0	Lower Marker
4	5.5	0.0	System Peak
5	7.0	0.0	System Peak
6	25.0	Peak Value 1	Light Chain
7	60.0	Peak Value 2	Heavy Chain
8	67.3	0.5	
9	240.0	0.0	Upper Marker

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