

**PRODUCT INFORMATION**

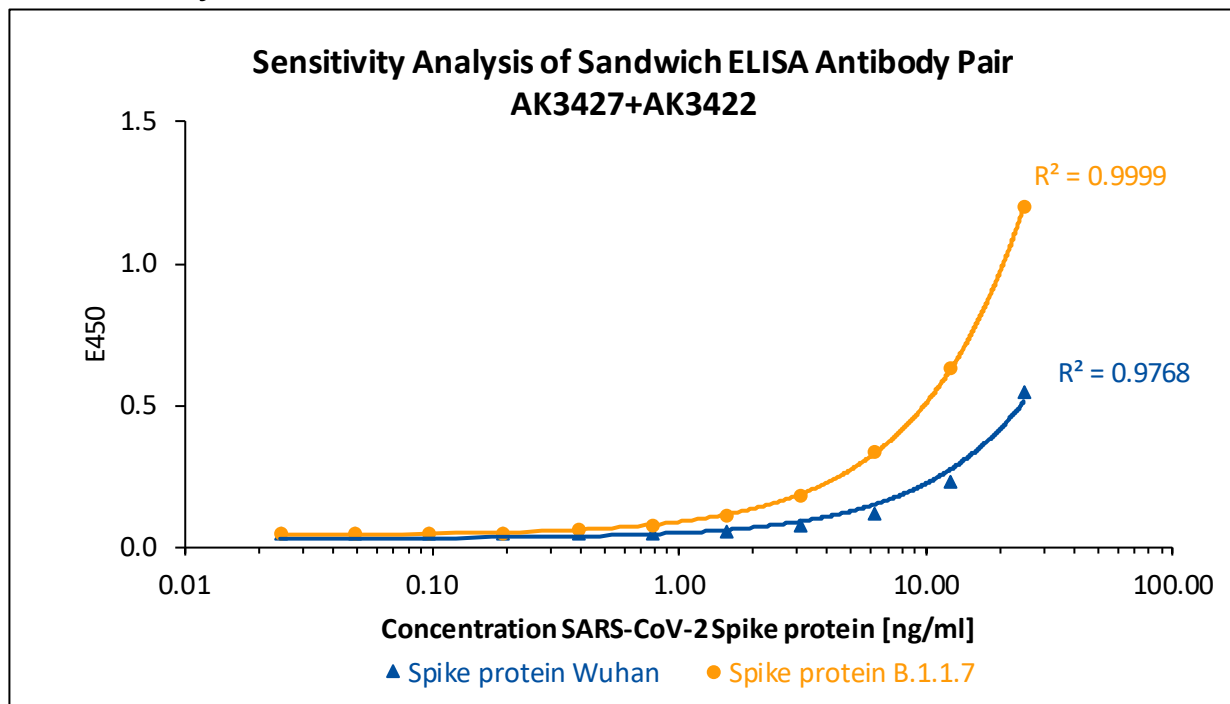
## Sandwich Antibody Pair AK3427+AK3422

### Sandwich Antibodies

	Capture Antibody	Detection Antibody
<b>Description</b>	Anti-Spike (RBD) Antibody	Anti-Spike (S1) Antibody
<b>Product-ID</b>	AK3427	AK3422
<b>Host</b>	Mouse	Mouse
<b>Clonality</b>	Monoclonal	Monoclonal
<b>Isotype</b>	IgG	IgG
<b>Subclass</b>	mIgG1k	mIgG2ak

**Tested Applications:** Sandwich ELISA  
**Sensitivity:** Spike protein Wuhan: 1.56 ± 0.14 ng/mL  
 Spike protein B.1.1.7: 0.05 ± 0.01 ng/mL

### Protein Activity (ELISA)



Sandwich ELISA using Anti-Spike (RBD) Antibody AK3427 as capture antibody at a concentration of 10 µg/mL and biotinylated Anti-Spike (S1) Antibody AK3422 as detection antibody at a concentration of 1 µg/mL. As antigens, SARS-CoV-2 Spike protein Wuhan and Spike protein B.1.1.7 were used in concentrations ranging from 0.025 ng/mL to 25 ng/mL. The Spike protein-bound biotinylated antibody was detected using streptavidin-peroxidase (10 ng/mL) and subsequent incubation with TMB. Mean values of 8 technical replicates are displayed. The determined lower limit of quantification (=sensitivity) is 1.56 ± 0.14 ng/mL Spike protein Wuhan and 0.05 ± 0.01 ng/mL Spike protein B.1.1.7.

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