

PRODUCT INFORMATION

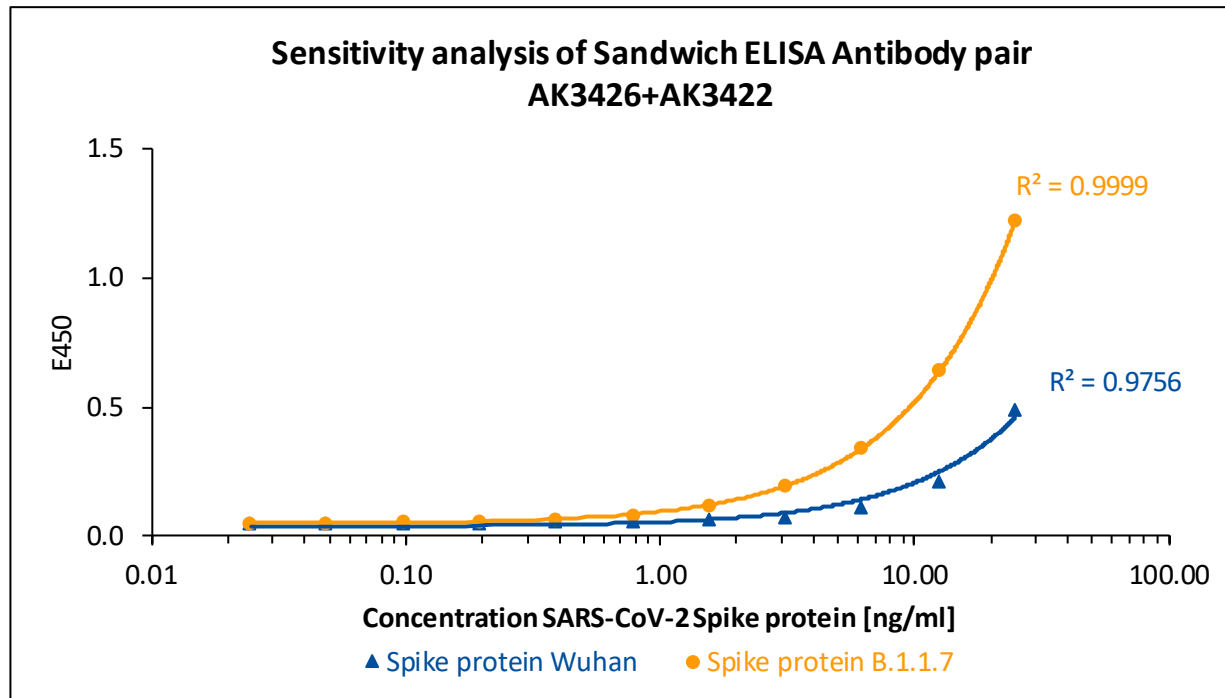
Sandwich Antibody Pair AK3426+AK3422

Sandwich Antibodies

| | Capture Antibody | Detection Antibody |
|--------------------|---------------------------|--------------------------|
| Description | Anti-Spike (RBD) Antibody | Anti-Spike (S1) Antibody |
| Product-ID | AK3426 | AK3422 |
| Host | Mouse | Mouse |
| Clonality | Monoclonal | Monoclonal |
| Isotype | IgG | IgG |
| Subclass | mIgG1k | mIgG2ak |

| | | |
|-----------------------------|------------------------|-------------------|
| Tested Applications: | Sandwich ELISA | |
| Sensitivity: | Spike protein Wuhan: | 0.78 ± 0.22 ng/mL |
| | Spike protein B.1.1.7: | 0.10 ± 0.02 ng/mL |

Protein Activity (ELISA)



Sandwich ELISA using Anti-Spike (RBD) Antibody AK3426 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 0.78 ± 0.22 ng/mL Spike protein Wuhan and 0.10 ± 0.02 ng/mL Spike protein B.1.1.7.

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