

SARS-CoV-2 Omicron (XBB.1.5) variant Spike RBD ELISA Kit | SARS-CoV-2 elisa kit

SARS-CoV-2 Omicron (XBB.1.5) variant Spike RBD ELISA Kit

CATALOG #
AAA259157

REACTIVITY
SARS-CoV-2

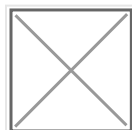
PRODUCT SYNONYMS

SARS-CoV-2 Omicron (XBB.1.5) variant Spike RBD; SARS-CoV-2 Omicron (XBB.1.5) variant Spike RBD ELISA Kit; SARS-CoV-2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	SARS-CoV-2
Specificity	This assay recognizes both recombinant SARS-CoV-2 Omicron (XBB.1.5) variant Spike RBD.
Assay Type	Sandwich
Detection Range	7.03-450pg/mL
Sensitivity	1.1 pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay) - Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-assay Precision (Precision between assays) - Three samples of known concentration were tested in three separate assays to assess inter-assay precision.
Preparation and Storage	Unopened Kit: Store at 2-8 degree C Opened/Reconstituted Reagents: Please refer to CoA

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SARS-CoV-2 elisa kit

Principle of the Assay: The principle of this ELISA kit is based on the Sandwich Enzyme-Linked Immunosorbent Assay (ELISA). The 96-well strip plate is precoated with a monoclonal antibody specific for SARS-CoV-2 Omicron (XBB.1.5) variant Spike RBD. Standards and SARS-CoV-2 Omicron (XBB.1.5) variant Spike RBD present in the sample are bound by the immobilized antibody. After washing, a horseradish peroxidase conjugated anti-SARS-CoV-2 Omicron (XBB.1.5) variant Spike RBD antibody is added, producing an antibody-antigen-antibody "sandwich complex". Following a wash to remove any unbound antibody-enzyme reagent, a TMB substrate solution is added to the wells and color develops in proportion to the amount of SARS-CoV-2 Omicron (XBB.1.5) variant Spike RBD bound in the initial step. The color development is stopped and the intensity of the color is measured at 450 nm.

Intended Uses: The kit has been verified by high purity SARS-CoV-2 Omicron (XBB.1.5) variant Spike RBD Protein (Cat# 40592-V08H146). The use of this kit for natural samples needs to be validated by the end user due to the complexity of natural targets and unpredictable interference.

References

- Shen S, et al. (2007) Expression, glycosylation, and modification of the spike (S) glycoprotein of SARS CoV. *Methods Mol Biol.* 379: 127-35.
- Du L, et al. (2009) The spike protein of SARS-CoV--a target for vaccine and therapeutic development. *Nat Rev Microbiol.* 7 (3): 226-36.
- Xiao X, et al. (2004) The SARS-CoV S glycoprotein. *Cell Mol Life Sci.* 61 (19-20): 2428-30.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/elisa-kits/sars-cov-2-omicron-xbb-1-5-variant-spike-rbd/259157>