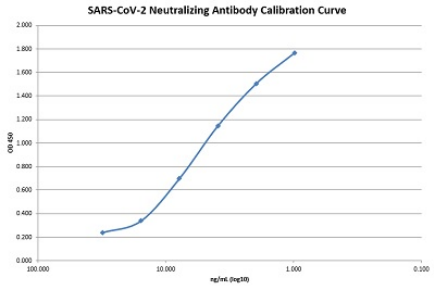
SARS-CoV-2

COVID-19 Neutralizing Antibody ELISA Kit

Catalog # KA6111 Size 1 Kit

Applications



The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description	COVID-19 Neutralizing Antibody ELISA Kit is an indirect enzyme-linked immunoassay (ELISA) for semi-quantitative determination of COVID-19 neutralizing antibody.
Supplied Product	Kit content: 1. Capture Plate 2. Spike RBD Tag Fusion Protein 3. SARS-CoV-2 Neutralizing Antibody Calibrator 4. Positive Control 5. Negative Control 6. HRP Anti-Tag Antibody 7. Blocking Buffer Concentrate (10X) 8. Assay Diluent Concentrate (10X) 9. Wash Buffer Concentrate (10X) 10. TMB Solution 11. Stop Solution 12. Plate Sealer
Suitable Sample	Human Serum
Sample Volume	30 uL
Detection Method	Colorimetric
Assay Type	Semi-quantitative

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Regulatory Status	For research use only (RUO)
Quality Control Testing	Standard curve calibration The standard curve is for the purpose of illustration only and should not be used to calculate unknown s. A standard curve should be generated each time the assay is performed.
Storage Instruction	Store at -20°C: SARS-CoV-2 Neutralizing Antibody Calibrator Positive Control Negative Control HRP Anti-Tag Antibody Blocking Buffer Concentrate (10X) Assay Diluent Concentrate (10X) Store at room temperature: Wash Buffer Concentrate (10X) Stop Solution Plate Sealer Store at 2-8°C: Capture Plate Spike RBD Tag Fusion Protein TMB Solution

Applications

- Semi-Quantification

Publication Reference

- Safety and Immunogenicity of a Recombinant Receptor Binding Domain-Based Protein Subunit Vaccine (Noora Vaccine™) Against COVID-19 in Adults: A Randomized, Double-Blind, Placebo-Controlled, Phase 1 Trial.

  Jafar Salimian, Ali Ahmadi, Jafar Amani, Gholamreza Olad, Raheleh Halabian, Ali Saffaei, Masoud Arabfard, Mojtaba Nasiri, Shahram Nazarian, Hassan Abolghasemi, Gholam Hossein Alishiri.

  Journal of Medical Virology 2023 Feb; 95(2):10.1002/jm.

  Application: Neutralization, Human, Human serum

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- Preclinical study of formulated recombinant nucleocapsid protein, the receptor binding domain of the spike protein, and truncated spike (S1) protein as vaccine candidates against COVID-19 in animal models.

  Shahram Nazarian, Gholamreza Olad, Raziyeh Abdolhamidi, Mohammad Javad Motamedi, Rouhollah Kazemi, Emad Kordbacheh, Alireza Felagari, Hanieh Olad, Ali Ahmadi, Alireza Bahiraee, Parisa Farahani, Leila Haghighi, Faezeh Hassani, Vahideh Hajhassan, Mona Nadi, Abdolkarim Sheikhi, Jafar Salimian, Jafar Amani.

  Molecular Immunology 2022 Sep; 149:107.

  Application: ELISA, Human, Vero cells

- Characterization of Virus Replication, Pathogenesis, and Cytokine Responses in Syrian Hamsters Inoculated with SARS-CoV-2.

  Shiu-Ju Yang., Ting-Chun Wei., Chih-Hao Hsu., Sin-Ni Ho., Chi-Yun Lai., Shiu-Feng Huang., Yih-Yuan Chen., Shih-Jen Liu., Guann-Yi Yu., Horng-Yunn Dou.

  Journal of Inflammation Research 2021 Aug; 14:3781.

  Application: ELISA, Syrian hamster, Plasma

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