

Chikungunya Virus IgM ELISA Kit

Human Chikungunya Virus IgM ELISA Kit

CATALOG #
AAA47899

REACTIVITY
Chikungunya Virus

PRODUCT SYNONYMS

Chikungunya Virus IgM; Human Chikungunya Virus IgM ELISA Kit; Chikungunya Virus IgM elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chikungunya Virus
Specificity	The SERION ELISA classic Chikungunya Virus IgG and IgM tests are qualitative and quantitative immunoassay for the detection of human antibodies in serum or plasma directed against Chikungunya Virus.

ADDITIONAL INFORMATION

Related Product Information for Chikungunya Virus IgM elisa kit	Background: Chikungunya Virus (CHIKV) is a member of the Alphavirus genus. It is also classified as an Arbovirus due to vector-dependent transmission by mosquitos. The enveloped virus carries structural glycoproteins E1-E3 which are immunogenic. Several non-structural proteins (nsP) and a ss-(+) RNA genome are present within the viral capsid. Chikungunya fever is characterized by fever, joint pain and swelling, rash, and flu-like symptoms. Symptoms usually appear within a period of 1-2 weeks post-infection. The disease is characterized by a biphasic course with an initial stage of high virus load and a convalescent stage without viremia. In rare cases, neurological disorders like Guillain-Barré syndrome and meningoencephalitis have occurred. Principle of the Assay: The ELISA (Enzyme-Linked Immunosorbent Assay) is an immunoassay suited to the detection of antibodies. The reaction is based on the specific interaction of antibodies with their corresponding antigen. The test strips of the SERION ELISA classic microtiter plate are coated with specific antigens of the pathogen of interest. If antibody in a sample is present, they bind to the fixed antigen. A secondary antibody, which has been conjugated with the enzyme alkaline phosphatase, detects and binds to the antigen-antibody complex. The colorless substrate p-nitrophenylphosphate is then converted into the colored product p-nitrophenol. The signal intensity of this reaction product is proportional to the concentration of the antibody in the sample and is measured photometrically. Intended Uses: The SERION ELISA classic Chikungunya Virus IgG and IgM tests are qualitative and quantitative immunoassay for the detection of human antibodies in serum or plasma directed against Chikungunya Virus.
Product Categories/Family for Chikungunya Virus IgM elisa kit	Infectious Disease Test Kits and Positive Controls; Virion/Serion ELISA

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.

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Online datasheet: <https://www.aaabiotech.com/chikungunya-elisa-kits/chikungunya-virus-igm/47899>