

Human Leishmania IgG ELISA Kit | IgG elisa kit

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CATALOG #
AAA72655

REACTIVITY
Human

PRODUCT SYNONYMS

Leishmania IgG; Human Leishmania IgG ELISA Kit; IgG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Leishmania IgG ELISA was verified in an internal study. The sensitivity and specificity in both cases exceeded 99%.
Samples	Serum or plasma directed against Leishmania. The assay is recommended for the sensitive various kinds of samples
Preparation and Storage	2 - 8 degree C

ADDITIONAL INFORMATION

Related Product Information for IgG elisa kit

Background: Leishmaniasis is an infectious disease, caused by protozoic parasites of the genus Leishmania. The disease occurs predominantly in tropical and subtropical climate zones. Primarily affected are farm and domestic animals, however the disease can also be transmitted to humans. Leishmaniasis is distributed worldwide with high incidences in Eastern Africa, Southern America and Asia. In Europe, the Mediterranean area is particularly affected. Annually, some 1.5 million cases of cutaneous and another 0.5 million cases of visceral leishmaniases are reported. Around 12 million people are infected with Leishmania worldwide. Dogs and rodents serve as the main reservoirs for Leishmania, but also cats, horses, sheep and cattle may be afflicted. Sandflies (phlebotominae) or other moth flies (psychodidae) transmit the parasites to humans. The incubation period is very variable, ranging from a few weeks up to several years. ELISA test systems are especially suited for the differential analysis of immunoglobulin classes directed against the virus.

Principle of the Assay: The ELISA (Enzyme Linked Immunosorbent Assay) is an immunoassay, which is particularly suited to the determination of antibodies in various kinds of samples. The reaction is based on the specific interaction of antibodies with their corresponding antigen. The test strips of the microtiter plate are coated with specific antigens of the pathogen of interest. If antibodies in the sample are present, they bind to the fixed antigen. A secondary antibody, which has been conjugated with the enzyme alkaline phosphatase, detects and binds to the immune complex. The colourless substrate p-nitrophenylphosphate is then converted into the coloured product p-nitrophenol. The signal intensity of this reaction product is proportional to the concentration of the analyte in the sample and is measured photometrically.

Intended Uses: The Leishmania IgG ELISA test is a qualitative immunoassay for the demonstration of IgG antibodies in serum or plasma directed against Leishmania. The assay is recommended for the sensitive detection of such antibodies in various kinds of samples.

Product Categories/Family for IgG elisa kit

[Infectious Disease](#); [Research Assays](#); [Assay Categories](#)

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.