

Human Ascaris lumbricoides IgG ELISA Kit

Ascaris lumbricoides IgG ELISA

CATALOG #
AAA72639

REACTIVITY
Human

PRODUCT SYNONYMS

Ascaris lumbricoides IgG; Ascaris lumbricoides IgG ELISA; Ascaris lumbricoides IgG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The specificity is defined as the probability of the assay of scoring negative in the absence of the specific analyte. It is 95 %.
Samples	Human Serum, Plasma, Body Fluids, Tissue Lysate Or Cell Culture Supernates
Assay Type	Sandwich
Detection Range	31.2 pg/ml-2000 pg/ml
Sensitivity	< 2 pg/ml
Preparation and Storage	2 - 8 degree C

ADDITIONAL INFORMATION

Related Product Information for Ascaris lumbricoides IgG elisa kit

Intended Uses: The BDNF ELISA has been designed for the detection of BDNF in human serum, plasma, body fluids, tissue lysate or cell culture supernates. For research use only.

Principle of the Assay: This kit is based on a sandwich enzyme-linked immuno-sorbent assay technology. An analyte-specific polyclonal antibody is pre-coated onto 96-well plates. The biotin conjugated second antibody is used as detection antibody. The standards, test samples, and biotin conjugated detection antibody are added to the wells subsequently. After incubation period, the plate is washed. Avidin-Biotin-Peroxidase Complex is added and incubated. After washing with wash buffer the TMB substrate is added to visualize HRP enzymatic reaction. TMB is catalyzed by HRP to produce a blue color product that changes into yellow after adding acidic stop solution. The optical density of the yellow color is proportional to the analyte captured in plate. Read the O.D. absorbance at 450nm in a microtiterplate reader, and calculate the concentration of the analyte in the sample by taking into consideration the dilution factor of the sample!!Background/Introduction: Brain-derived neurotrophic factor, also known as BDNF, is a prosurvival factor induced by cortical neurons that is necessary for survival of striatal neurons in the brain. BDNF is a member of the "neurotrophin" family of growth factors, which are related to the NGF. It acts on certain neurons of the central nervous system and the peripheral nervous system, helping to support the survival of existing neurons, and encourage the growth and differentiation of new neurons and synapses. In the brain, it is active in the hippocampus, cortex, and basal forebrain—areas vital to learning, memory, and higher thinking. Post mortem analysis has shown lowered levels of BDNF in the brain tissues of people with Alzheimer's disease.

Product Categories/Family for Ascaris lumbricoides IgG elisa kit

[Infectious Disease](#); [Immunology](#); [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.