Dengue Virus IgG ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Dengue Virus IgG, ELISA Kit
Full Product Name	Human Dengue Virus IgG ELISA Kit
Species Reactivity	Human
Assay Type	Sandwich
Samples	Human Serum, Plasma, Body Fluids, Tissue Homogenate Or Cell Culture Supernates
Detection Range	312 pg/ml-20,000 pg/ml
Sensitivity	< 10 pg/ml
Preparation and Storage	Storage 2 - 8 degree C
Related Product Information for Dengue Virus IgG elisa kit	Intended Uses: The Cystatin C ELISA has been designed for the precise measurement of Cystatin C in human serum, plasma, body fluids, tissue homogenate or cell culture supernates. For research use only. Principle of the Assay: This kit is based on a sandwich enzyme-linked immune-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. During the first incubation the standards and samples react with the analyte-specific pre-coated antibody. In a second incubation the biotin conjugated detection antibody completes the sandwich. 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: Cystatin C or cystatin 3, a protein encoded by the CST3 gene, is mainly used as a biomarker of kidney function. It is a single 120-residue polypeptide with a molecular mass of approximately 13.26 kD. Cystatin C plays a role in network reorganization in the epileptic dentate gyrus, especially in granule cell dispersion and guidance of migrating newborn granule cells. It is an alternative measure of kidney function that may have prognostic importance among elderly persons who do not meet standard criteria for chronic kidney disease. Among elderly persons without chronic kidney disease, Cystatin C is a prognostic biomarker of risk for death, cardiovascular disease, and chronic kidney disease, thereby signaling a state of 'preclinical' kidney dysfunction.
Other Notes	Small volumes of Dengue Virus IgG elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for Dengue Virus IgG purchase	MBS495197 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Dengue Virus IgG, ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing Dengue Virus IgG. The ELISA analytical biochemical technique of the MBS495197 kit is based on Dengue Virus IgG antibody-Dengue Virus IgG antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect Dengue Virus IgG antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, Dengue Virus IgG. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

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Online datasheet: https://www.mybiosource.com/human-elisa-kits/dengue-virus-igg/495197