

Human Epstein-Barr Virus (EBNA-1) IgG ELISA Kit | EBNA-1 elisa kit

Epstein-Barr Virus (EBNA-1) IgG ELISA

CATALOG #
AAA72697

REACTIVITY
Human

PRODUCT SYNONYMS

Epstein-Barr Virus (EBNA-1) IgG; Epstein-Barr Virus (EBNA-1) IgG ELISA; EBNA-1 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. (Detected by method comparison with Virion-Serion ELISA, with three lots of ELISA. 92 samples, therefrom 37 negative samples are assayed). It is 100% for all three production lots.
Samples	Human serum or plasma
Detection Range	0.62 - 60 U/mL
Intra-assay Precision	The intra-assay (within-run) precision of the EBV-EBNA-1 IgG ELISA was determined by 20 x measurements of 12 serum samples covering the whole measuring range.
Inter-assay Precision	The inter-assay variation of the EBV-EBNA-1 IgG ELISA was determined with 3 samples with 2 production kits in 10 independent runs with 2 replicates per run.
Preparation and Storage	Store at 2-8 degree C

ADDITIONAL INFORMATION

Related Product Information for EBNA-1 elisa kit

Principle of the Assay: The Epstein-Barr Virus (EBNA-1) IgG ELISA Kit is a solid phase enzyme-linked immunosorbent assay (ELISA) Microtiter wells as a solid phase are coated with recombinant EBV nuclear antigen type 1. Diluted samples and ready-for-use controls are pipetted into these wells. During incubation EBNA-1-specific antibodies of positive samples and controls are bound to the immobilized antigens. After a washing step to remove unbound sample and control material horseradish peroxidase conjugated anti-human IgG antibodies are dispensed into the wells. During a second incubation this anti-IgG conjugate binds specifically to IgG antibodies resulting in the formation of enzyme-linked immune complexes. After a second washing step to remove unbound conjugate the immune complexes formed (in case of positive results) are detected by incubation with TMB substrate and development of a blue color. The blue color turns into yellow by stopping the enzymatic indicator reaction with sulfuric acid. The intensity of this color is directly proportional to the amount of EBNA-1-specific IgG antibody in the patient sample. Absorbance at 450 nm is read using an ELISA microtiter plate reader.

Intended Uses: The Epstein-Barr Virus (EBNA-1) IgG Enzyme Immunoassay Kit provides materials for the determination of IgG-class antibodies to Epstein-Barr virus nuclear antigen type 1 (EBV-EBNA-1) in human serum or plasma. For research use only - Not for use in test procedures.

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.