

Human cytomegalovirus IgM ELISA Kit | CMV-IgM elisa kit

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CATALOG #
AAA247613

REACTIVITY
Human

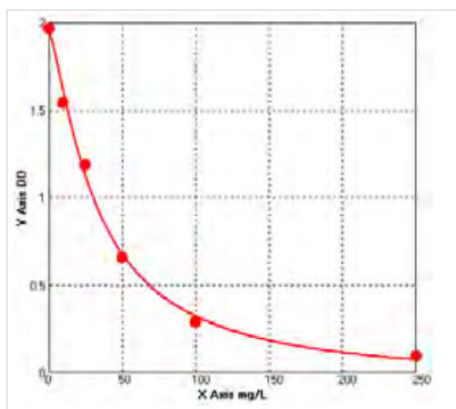
PRODUCT SYNONYMS

cytomegalovirus IgM; Human cytomegalovirus IgM ELISA Kit; CMV-IgM elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CMV IgM-Ab. No significant cross-reactivity or interference between CMV IgM-Ab and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CMV IgM-Ab and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid d tissue homogenat
Sensitivity	1.0 mg/L
Intra-Assay	CV<10%
Inter-Assay	CV<15%
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CMV-IgM elisa kit	Principle of the Assay: CMV IgM-Ab ELISA kit applies the competitive enzyme immunoassay technique utilizing Cytomegalovirus IgM antigen and an CMV IgM-Ab-HRP conjugate. The assay sample and buffer are incubated together with CMV IgM-Ab-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CMV IgM-Ab concentration since CMV IgM-Ab from samples and CMV IgM-Ab-HRP conjugate compete for the Cytomegalovirus IgM antigen binding site. Since the number of sites is limited, as more sites are occupied by CMV IgM-Ab from the sample, fewer sites are left to bind CMV IgM-Ab-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CMV IgM-Ab concentration in each sample is interpolated from this standard curve. Intended Uses: This CMV IgM-Ab ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CMV IgM-Ab. This ELISA kit for research use only, not for therapeutic or test applications!
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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://stage.aaabiotech.com/cmv-igm-human-elisa-kits/cytomegalovirus-igm/247613>