

Human Complement Fragment 3d, C3d ELISA Kit | C3d elisa kit

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CATALOG #
AAA244924

REACTIVITY
Human

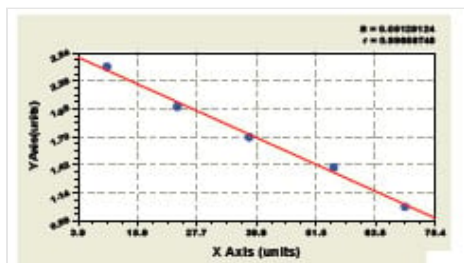
PRODUCT SYNONYMS

Complement Fragment 3d; C3d; Human Complement Fragment 3d; C3d ELISA Kit; C3d elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	10-250ng/mL
Sensitivity	1.0ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for C3d elisa kit

Intended Uses: This C3d ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human C3d. This ELISA kit for research use only!

Principle of the Assay||C3d ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-C3d antibody and an C3d-HRP conjugate. The assay sample and buffer are incubated together with C3d-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 C3d concentration since C3d from samples and C3d-HRP conjugate compete for the anti-C3d antibody binding site. Since the number of sites is limited, as more sites are occupied by C3d from the sample, fewer sites are left to bind C3d-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The C3d concentration in each sample is interpolated from this standard curve.

Product Categories/Family for C3d elisa kit

Immunology

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/complement-fragment-3d-c3d/244924>