

Human Complement component 3b ELISA Kit | C3b elisa kit

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CATALOG #
AAA94553

REACTIVITY
Human

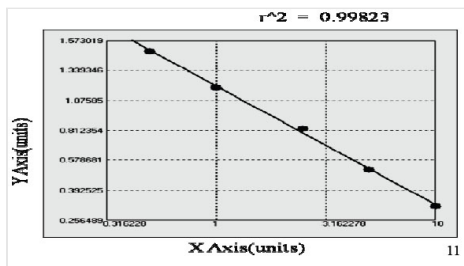
PRODUCT SYNONYMS

Complement component 3b; Human Complement component 3b ELISA Kit; C3b elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	2.5-50ng/mL
Sensitivity	1.0ng/mL
Intended Uses	This C3b ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human C3b. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for C3b elisa kit

Principle of the assay: C3b ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-C3b antibody and an C3b-HRP conjugate. The assay sample and buffer are incubated together with C3b-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 C3b concentration since C3b from samples and C3b-HRP conjugate compete for the anti-C3b antibody binding site. Since the number of sites is limited, as more sites are occupied by C3b from the sample, fewer sites are left to bind C3b-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The C3b concentration in each sample is interpolated from this standard curve.

Product Categories/Family for C3b elisa kit

[Immunology](#)

References

[Peptide Patterns as Discriminating Biomarkers in Plasma of Patients With Familial Adenomatous Polyposis](#). Lisa Agatea, Sara Crotti, Eugenio Ragazzi, Chiara Bedin, Emanuele Urso, Isabella Mammi, Pietro Traldi, Salvatore Pucciarelli, Donato Nitti, Marco Agostini (2015)

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/c3b-human-elisa-kits/complement-component-3b/94553>