

Human C3 ELISA Kit

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CATALOG #
AAA76953

REACTIVITY
Human

PRODUCT SYNONYMS

C3; Human C3 ELISA Kit; Human C3; C3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Immunoperoxidase Assay for Determination of C3 in Human Samples
Assay Type	Sandwich
Intended Uses	The Complement factor 3 (C3) test kits are highly sensitive two-site enzyme linked immunoassay (ELISA) for measuring C3 in biological samples of humans.
Preparation and Storage	Store at 4 degree C.

ADDITIONAL INFORMATION

Related Product Information for C3 elisa kit	Principle of the Assay: The principle of the double antibody sandwich ELISA is represented in Figure 1. In this assay the C3 present in samples reacts with the anti-C3 antibodies which have been adsorbed to the surface of polystyrene microtitre wells. After the removal of unbound proteins by washing, anti-C3 antibodies conjugated with horseradish peroxidase (HRP), are added. These enzyme-labeled antibodies form complexes with the previously bound C3. Following another washing step, the enzyme bound to the immunosorbent is assayed by the addition of a chromogenic substrate, 3,3',5,5'-tetramethylbenzidine (TMB). The quantity of bound enzyme varies directly with the concentration of C3 in the sample tested; thus, the absorbance, at 450 nm, is a measure of the concentration of C3 in the test sample. The quantity of C3 in the test sample can be interpolated from the standard curve constructed from the standards, and corrected for sample dilution. Background: A number of serum proteins participate in acute inflammatory reactions. These include the complement, coagulation and kinin systems as well as a number of other proteins, known as acute phase proteins, that regulate acute inflammation. The complement system is a complex set of up to 20 serum proteins. The most abundant and pivotal of the complement components is C3, which has a molecular weight of about 187 kD and consists of an alpha and beta chain.
Product Categories/Family for C3 elisa kit	ELISA Kit

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://www.aaabiotech.com/human-elisa-kits/c3/76953>