

Bovine Complement Component 3 ELISA Kit | C3 elisa kit

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CATALOG #
AAA88566

REACTIVITY
Bovine

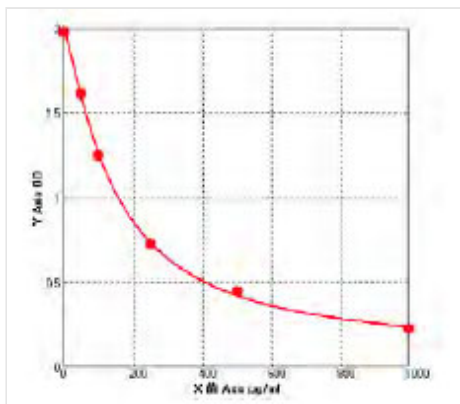
PRODUCT SYNONYMS

Complement Component 3; Bovine Complement Component 3 ELISA Kit; C3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of C3. No significant cross-reactivity or interference between C3 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between C3 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ug/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for C3 elisa kit	Intended Uses: This C3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine C3. This ELISA kit for research use only! Principle of the Assay: C3 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-C3 antibody and an C3-HRP conjugate. The assay sample and buffer are incubated together with C3-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 C3 concentration since C3 from samples and C3-HRP conjugate compete for the anti-C3 antibody binding site. Since the number of sites is limited, as more sites are occupied by C3 from the sample, fewer sites are left to bind C3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The C3 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for C3 elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	40786791
NCBI GeneID	718
Molecular Weight	187,148 Da
NCBI Official Full Name	complement component 3
NCBI Official Synonym Full Names	complement component 3
NCBI Official Symbol	C3
NCBI Official Synonym Symbols	ASP; C3a; C3b; AHUS5; ARMD9; CPAMD1; HEL-S-62p
NCBI Protein Information	complement C3; prepro-C3; C3a anaphylatoxin; complement component C3; complement component C3a; complement component C3b; acylation-stimulating protein cleavage product; epididymis secretory sperm binding protein Li 62p; C3 and PZP-like alpha-2-macroglobulin domain-containing protein 1
UniProt Protein Name	Complement C3
UniProt Gene Name	C3
UniProt Synonym Gene Names	CPAMD1; ASP
UniProt Entry Name	CO3_HUMAN

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/c3-bovine-ovine-elisa-kits/complement-component-3/88566>