

Bovine Complement Component 3 (C3) ELISA Kit | C3 elisa kit

Cattle Complement Component 3 (C3) ELISA Kit

CATALOG #
AAA184089

REACTIVITY
Bovine

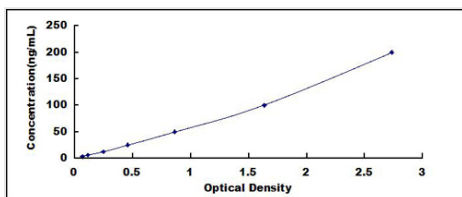
PRODUCT SYNONYMS

Complement Component 3 (C3); Cattle Complement Component 3 (C3) ELISA Kit; ASP; CPAMD1; Complement Protein C3; C3 and PZP-like alpha-2-macroglobulin domain-containing protein 1; C3a anaphylatoxin; Acylation stimulating protein; C3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of Complement Component 3 (C3). No significant cross-reactivity or interference between Complement Component 3 (C3) and analogues was observed.
Sequence Length	1663
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma and Other Biological Fluids
Detection Range	3.12-200ng/mL
Sensitivity	< 1.28ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Complement Component 3 (C3) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Complement Component 3 (C3) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for C3 elisa kit	This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Complement Component 3 (C3) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Complement Component 3 (C3) and unlabeled Complement Component 3 (C3) (Standards or samples) with the pre-coated antibody specific to Complement Component 3 (C3). After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of Complement Component 3 (C3) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Complement Component 3 (C3) in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	152012784
NCBI GeneID	718
Molecular Weight	187,148 Da
NCBI Official Full Name	Complement component 3
NCBI Official Synonym Full Names	complement C3
NCBI Official Symbol	C3
NCBI Official Synonym Symbols	ASP; C3a; C3b; AHUS5; ARMD9; CPAMD1; HEL-S-62p
NCBI Protein Information	complement C3
UniProt Protein Name	Complement C3
UniProt Gene Name	C3
UniProt Synonym Gene Names	CPAMD1; C3bc; ASP

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/bovine-ovine-elisa-kits/complement-component-3-c3/184089>