

Rat Complement Component 3 (C3) CLIA Kit | C3 clia kit

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CATALOG # AAA151222	REACTIVITY Rat
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PRODUCT SYNONYMS

Complement Component 3 (C3); Rat Complement Component 3 (C3) CLIA Kit; C3/Complement Component 3; ASP; CPAMD1; Complement Protein C3; C3 and PZP-like alpha-2-macroglobulin domain-containing protein 1; C3a anaphylatoxin; Acylation stimulating protein; C3 clia kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
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.
Samples	Rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.27-200ng/mL
Sensitivity	< 0.12ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level C3 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level C3 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term(within shelf life) Shelf Life: 8 months 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.

ADDITIONAL INFORMATION

Related Product Information for C3 clia kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to C3. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to C3. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the C3 level in the sample or standard. Intended Uses: The Chemiluminescent Immunoassay kit is designed for the in vitro sensitive quantitative measurement of C3 in rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for C3 clia kit	Signal transduction; Infection immunity; Immune molecule

NCBI AND UNIPROT INFORMATION

NCBI GI #	158138561
NCBI GeneID	24232

NCBI Accession #	NP_058690.2
NCBI GenBank Nucleotide #	NM_016994.2
UniProt Accession #	P01026 ; Q9ET19 ; Q9QV57 ; Q9QV58
Molecular Weight	186,460 Da
NCBI Official Full Name	complement C3
NCBI Official Synonym Full Names	complement C3
NCBI Official Symbol	C3
NCBI Protein Information	complement C3
UniProt Protein Name	Complement C3
UniProt Gene Name	C3
UniProt Synonym Gene Names	C3bc; ENCF-2; ENCF-1; 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.

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Online datasheet: <https://stage.aaabiotech.com/rat-clia-kits/complement-component-3-c3/151222>