

Mouse Complement Component 4 (C4) CLIA Kit | C4 clia kit

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CATALOG # AAA151223	REACTIVITY Mouse
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PRODUCT SYNONYMS

Complement Component 4 (C4); Mouse Complement Component 4 (C4) CLIA Kit; C4/Complement Component 4; C4 clia kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of C4. No significant cross-reactivity or interference between C4 and analogues was observed.
Samples	Mouse serum, plasma and other biological fluids
Detection Range	0.78-50ng/mL
Sensitivity	< 0.28ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level C4 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 C4 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 C4 clia kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to C4. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to C4. 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 C4 level in the sample or standard. Intended Uses: The Chemiluminescent Immunoassay kit is designed for the in vitro sensitive quantitative measurement of C4 in mouse serum, plasma and other biological fluids.
Product Categories/Family for C4 clia kit	Signal transduction; Infection immunity; Hematology

NCBI AND UNIPROT INFORMATION

NCBI GI #	157951698
NCBI GeneID	12268
NCBI Accession #	NP_033910.2

NCBI GenBank Nucleotide #	NM_009780.2
UniProt Accession #	P01029 ; O70346 ; Q31201 ; Q3TYY1 ; Q3TZC9 ; Q61372 ; Q61859 ; Q62353 ; Q6NWW8 ; E9QKK7
NCBI Official Full Name	complement C4-B
NCBI Official Synonym Full Names	complement component 4B (Chido blood group)
NCBI Official Symbol	C4b
NCBI Official Synonym Symbols	C4; Ss
NCBI Protein Information	complement C4-B; complement component 4 (within H-2S); complement component 4B (Chido blood group)
UniProt Protein Name	Complement C4-B
UniProt Gene Name	C4b
UniProt Synonym Gene Names	C4
UniProt Entry Name	CO4B_MOUSE

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/mouse-clia-kits/complement-component-4-c4/151223>