

Human Complement component C9 ELISA Kit | C9 elisa kit

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CATALOG #
AAA100575

REACTIVITY
Human

PRODUCT SYNONYMS

Complement component C9; Human Complement component C9 ELISA Kit; C9 (Complement component C9)/complement component 9; C9 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
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.
Sequence Length	559
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	3.125-200ng/ml
Sensitivity	1.875ng/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<8%
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<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard operation of a C9 ELISA Kit are listed below. This standard curve was generated at our lab for demonstration purpose only. Users shall obtain standard curve as per experiment by themselves. (N/A=not applicable)

X	ng/ml	0	3.125	6.25	12.5	25	50	100	200
Y	OD450	0.098	0.57	0.906	1.281	1.648	2.089	2.436	2.898

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for C9 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-C3 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-C3 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the C3 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of C3 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502511
NCBI GeneID	735
NCBI Accession #	NP_001728.1
NCBI GenBank Nucleotide #	NM_001737.3
Molecular Weight	63,173 Da
NCBI Official Full Name	complement component C9
NCBI Official Synonym Full Names	complement component 9
NCBI Official Symbol	C9
NCBI Official Synonym Symbols	C9D; ARMD15
NCBI Protein Information	complement component C9
UniProt Protein Name	Complement component C9
UniProt Gene Name	C9
UniProt Entry Name	CO9_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/human-elisa-kits/complement-component-c9/100575>