

Human Complement Component 5a ELISA Kit | C5a elisa kit

Human Complement Component 5a ELISA Kit

CATALOG #
AAA100968

REACTIVITY
Human

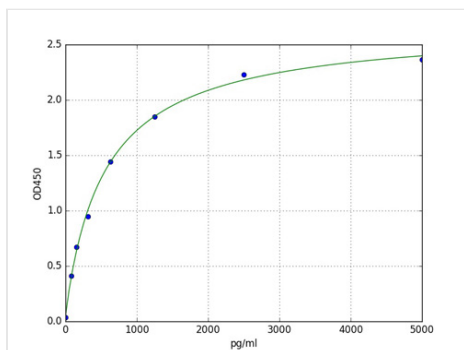
PRODUCT SYNONYMS

Complement Component 5a; Human Complement Component 5a ELISA Kit; C5a (Complement Component 5a); C5a elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of C5a. No significant cross-reactivity or interference between C5a and analogues was observed. Note: Limited by current skills and knowledge, it is impossible for us to complete the crossreactivity detection between C5a and all the analogues, therefore, cross reaction may still exist.
Sequence Length	350
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	78.125-5000pg/ml
Sensitivity	46.875pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level C5a 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 C5a 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



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a C5a ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	pg/ml	0	78.125	156.25	312.5	625	1250	2500	5000
Y	OD450	0.012	0.112	0.193	0.41	0.745	1.15	1.835	2.361

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for C5a elisa kit	Principle of the Assay This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti- C5a antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- C5a antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash 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 C5a amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of C5a can be calculated.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	29169287
NCBI GeneID	728
Molecular Weight	39,336 Da
NCBI Official Full Name	complement component 5a receptor 1
NCBI Official Synonym Full Names	complement component 5a receptor 1
NCBI Official Symbol	C5AR1
NCBI Official Synonym Symbols	C5A; C5AR; C5R1; CD88
NCBI Protein Information	C5a anaphylatoxin chemotactic receptor 1
UniProt Protein Name	C5a anaphylatoxin chemotactic receptor 1
UniProt Gene Name	C5AR1
UniProt Synonym Gene Names	C5AR; C5R1; C5a-R; C5aR
UniProt Entry Name	C5AR1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/c5a-human-elisa-kits/complement-component-5a/100968>