

Human Complement C5 ELISA Kit | C5 elisa kit

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CATALOG #
AAA100959

REACTIVITY
Human

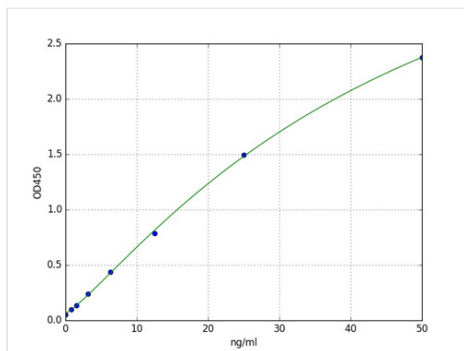
PRODUCT SYNONYMS

Complement C5; Human Complement C5 ELISA Kit; C5 (Complement Component 5); C5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	1676
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
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 C5 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	ng/ml	0	0.781	1.563	3.125	6.25	12.5	25	50
Y	OD450	0.003	0.075	0.123	0.261	0.534	0.957	1.941	2.798

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for C5 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-C5 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-C5 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 C5 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of C5 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #

38016947

NCBI GeneID	727
NCBI Accession #	NP_001726.2
NCBI GenBank Nucleotide #	NM_001735.2
Molecular Weight	188,305 Da
NCBI Official Full Name	complement C5 isoform 1 preproprotein
NCBI Official Synonym Full Names	complement component 5
NCBI Official Symbol	C5
NCBI Official Synonym Symbols	C5D; C5a; C5b; ECLZB; CPAMD4
NCBI Protein Information	complement C5
UniProt Protein Name	Complement C5
UniProt Gene Name	C5
UniProt Synonym Gene Names	CPAMD4
UniProt Entry Name	CO5_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-c5/100959>