

Sheep Complement fragment 5a ELISA Kit | C5a elisa kit

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CATALOG #
AAA96901

REACTIVITY
Sheep

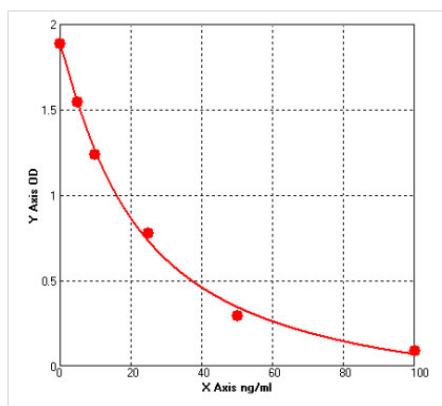
PRODUCT SYNONYMS

Complement fragment 5a; Sheep Complement fragment 5a ELISA Kit; C5a elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
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 cross-reactivity detection between C5a and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Intended Uses	This C5a ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep C5a. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for C5a elisa kit	Principle of the Assay: C5a ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-C5a antibody and an C5a-HRP conjugate. The assay sample and buffer are incubated together with C5a-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the C5a concentration since C5a from samples and C5a-HRP conjugate compete for the anti-C5a antibody binding site. Since the number of sites is limited, as more sites are occupied by C5a from the sample, fewer sites are left to bind C5a-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The C5a concentration in each sample is interpolated from this standard curve. Intended Uses: This C5a ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep C5a. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for C5a elisa kit	Immunology

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 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; prepro-C5; C5a anaphylatoxin; anaphylatoxin C5a analog; C3 and PZP-like alpha-2-macroglobulin domain-containing protein 4
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/c5a-sheep-elisa-kits/complement-fragment-5a/96901>