

Chicken Complement fragment 5a ELISA Kit | C5a elisa kit

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CATALOG #
AAA95871

REACTIVITY
Chicken

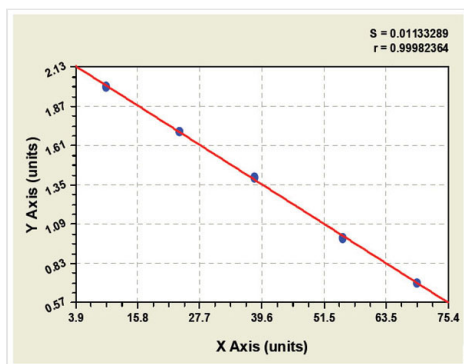
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Intended Uses	This C5A ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken C5A. This ELISA kit for research use only, not for therapeutic applications
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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 monoclonal 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.

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.