

Porcine Complement fragment 5a ELISA Kit | C5a elisa kit

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CATALOG #
AAA95744

REACTIVITY
Porcine

PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
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 Porcine C5a. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

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.
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://www.aaabiotech.com/c5a-porcine-elisa-kits/complement-fragment-5a/95744>