

Porcine Complement Component 5 ELISA Kit | C5 elisa kit

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CATALOG #
AAA92641

REACTIVITY
Porcine

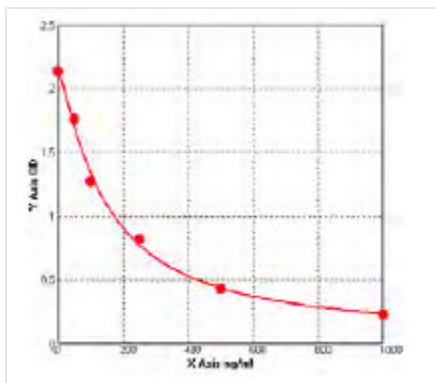
PRODUCT SYNONYMS

Complement Component 5; Porcine Complement Component 5 ELISA Kit; C5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Specificity	This assay has high sensitivity and excellent specificity for detection of C5. No significant cross-reactivity or interference between C5 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between C5 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for C5 elisa kit	Intended Uses: This C5 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine C5. This ELISA kit for research use only! Principle of the Assay: C5 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-C5 antibody and an C5-HRP conjugate. The assay sample and buffer are incubated together with C5-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 C5 concentration since C5 from samples and C5-HRP conjugate compete for the anti-C5 antibody binding site. Since the number of sites is limited, as more sites are occupied by C5 from the sample, fewer sites are left to bind C5-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The C5 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for C5 elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	109731812
NCBI GeneID	727
Molecular Weight	188,305 Da
NCBI Official Full Name	Complement component 5
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/c5-porcine-elisa-kits/complement-component-5/92641>