

Bovine Complement fragment 4a ELISA Kit | C4a elisa kit

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CATALOG #
AAA97375

REACTIVITY
Bovine

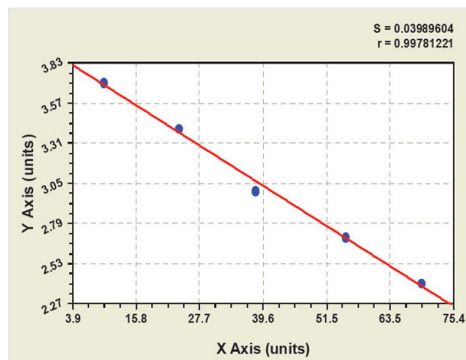
PRODUCT SYNONYMS

Complement fragment 4a; Bovine Complement fragment 4a ELISA Kit; C4a elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	25-500ng/ml
Sensitivity	1.0ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for C4a elisa kit

Principle of the assay: C4a ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-C4a antibody and an C4a-HRP conjugate. The assay sample and buffer are incubated together with C4a-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 C4a concentration since C4a from samples and C4a-HRP conjugate compete for the anti-C4a antibody binding site. Since the number of sites is limited, as more sites are occupied by C4a from the sample, fewer sites are left to bind C4a-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The C4a concentration in each sample is interpolated from this standard curve.

Product Categories/Family for C4a elisa kit

Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	67190748
NCBI GeneID	720
NCBI Accession #	NP_009224.2
NCBI GenBank Nucleotide #	NM_007293.2
Molecular Weight	187,704 Da
NCBI Official Full Name	complement C4-A isoform 1 preproprotein
NCBI Official Synonym Full Names	complement component 4A (Rodgers blood group)
NCBI Official Symbol	C4A
NCBI Official Synonym Symbols	C4; RG; C4S; CO4; C4A2; C4A3; C4A4; C4A6; C4AD; CPAMD2
NCBI Protein Information	complement C4-A; acidic C4; C4A anaphylatoxin; Rodgers form of C4; acidic complement C4; C3 and PZP-like alpha-2-macroglobulin domain-containing protein 2
UniProt Protein Name	Complement C4-A
UniProt Gene Name	C4A
UniProt Synonym Gene Names	CO4; CPAMD2
UniProt Entry Name	CO4A_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/c4a-bovine-ovine-elisa-kits/complement-fragment-4a/97375>