

Mouse Complement fragment 4a ELISA Kit | C4a elisa kit

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CATALOG #
AAA85471

REACTIVITY
Mouse

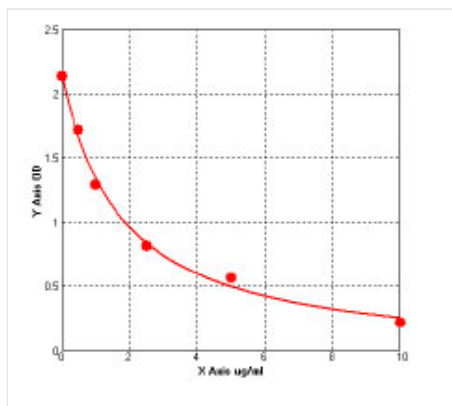
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of C4alpha. No significant cross-reactivity or interference between C4alpha and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between C4alpha 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	0.1 ?g/mL
Intended Uses	This C4a ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse C4a. 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 C4a elisa kit	Principle of the Assay: C4alpha ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-C4alpha antibody and an C4alpha-HRP conjugate. The assay sample and buffer are incubated together with C4alpha-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 C4alpha concentration since C4alpha from samples and C4alpha-HRP conjugate compete for the anti-C4alpha antibody binding site. Since the number of sites is limited, as more sites are occupied by C4alpha from the sample, fewer sites are left to bind C4alpha-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The C4alpha concentration in each sample is interpolated from this standard curve. Intended Uses: This C4alpha ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse C4alpha. This ELISA kit for research use only, not for therapeutic or test applications!
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-mouse-elisa-kits/complement-fragment-4a/85471>