

Guinea Pig Complement Component 3a Receptor 1 ELISA Kit | C3aR1 elisa kit

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CATALOG #
AAA85979

REACTIVITY
Guinea Pig

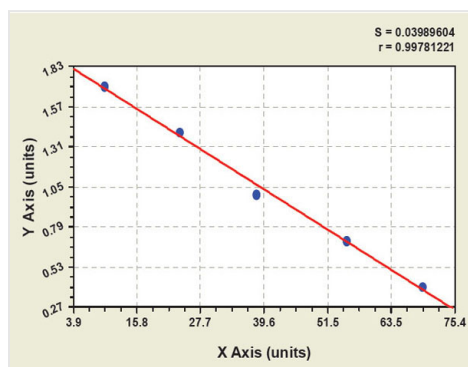
PRODUCT SYNONYMS

Complement Component 3a Receptor 1; Guinea pig Complement Component 3a Receptor 1 ELISA Kit; C3aR1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Guinea Pig
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This C3AR1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Guinea pig C3AR1. 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 C3aR1 elisa kit

Principle of the assay: C3AR1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-C3AR1 antibody and an C3AR1-HRP conjugate. The assay sample and buffer are incubated together with C3AR1-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 C3AR1 concentration since C3AR1 from samples and C3AR1-HRP conjugate compete for the anti-C3AR1 antibody binding site. Since the number of sites is limited, as more sites are occupied by C3AR1 from the sample, fewer sites are left to bind C3AR1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The C3AR1 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for C3aR1 elisa kit

Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	4757888
NCBI GeneID	719
NCBI Accession #	NP_004045.1
NCBI GenBank Nucleotide #	NM_004054.2
Molecular Weight	53,864 Da
NCBI Official Full Name	C3a anaphylatoxin chemotactic receptor
NCBI Official Synonym Full Names	complement component 3a receptor 1
NCBI Official Symbol	C3AR1
NCBI Official Synonym Symbols	AZ3B; C3AR; HNFAG09
NCBI Protein Information	C3a anaphylatoxin chemotactic receptor; C3a-R; complement component 3 receptor 1
UniProt Protein Name	C3a anaphylatoxin chemotactic receptor
UniProt Gene Name	C3AR1
UniProt Synonym Gene Names	AZ3B; C3R1; HNFAG09; C3AR; C3a-R
UniProt Entry Name	C3AR_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/c3ar1-guinea-pig-pig-elisa-kits/complement-component-3a-receptor-1/85979>