

Rat C4 Binding Protein, Alpha ELISA Kit | C4BPα elisa kit

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CATALOG #
AAA93476

REACTIVITY
Rat

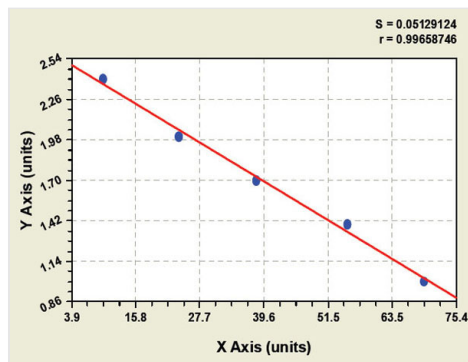
PRODUCT SYNONYMS

C4 Binding Protein; Alpha; Rat C4 Binding Protein; Alpha ELISA Kit; C4BPα elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	5.0-100ng/mL
Sensitivity	1.0ng/ml
Intended Uses	This C4BPα ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat C4BPα. 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 C4BPα elisa kit

Principle of the Assay: C4BPα ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-C4BPα antibody and an C4BPα-HRP conjugate. The assay sample and buffer are incubated together with C4BPα-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 C4BPα concentration since C4BPα from samples and C4BPα-HRP conjugate compete for the anti-C4BPα antibody binding site. Since the number of sites is limited, as more sites are occupied by C4BPα from the sample, fewer sites are left to bind C4BPα-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The C4BPα concentration in each sample is interpolated from this standard curve

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502503
NCBI GeneID	722
NCBI Accession #	NP_000706.1
NCBI GenBank Nucleotide #	NM_000715.3
Molecular Weight	67,033 Da
NCBI Official Full Name	C4b-binding protein alpha chain
NCBI Official Synonym Full Names	complement component 4 binding protein, alpha
NCBI Official Symbol	C4BPA
NCBI Official Synonym Symbols	PRP; C4BP
NCBI Protein Information	C4b-binding protein alpha chain; proline-rich protein
UniProt Protein Name	C4b-binding protein alpha chain
UniProt Gene Name	C4BPA
UniProt Synonym Gene Names	C4BP; C4bp; PRP
UniProt Entry Name	C4BPA_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.