

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

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CATALOG #
AAA93456

REACTIVITY
Canine

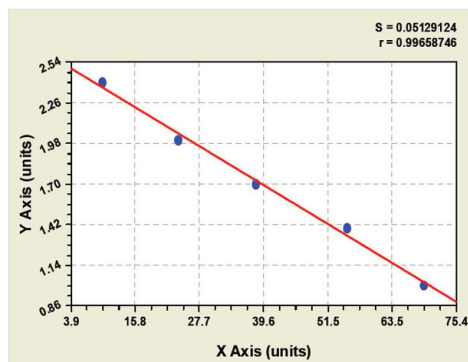
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Canine
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 Guinea pig C4BPα. This ELISA kit for research use only, not for therapeutic applications
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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.
Product Categories/Family for C4BPα elisa kit	Immunology

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.