

Human C4 Binding Protein Alpha (C4BPα) ELISA Kit | C4BPα elisa kit

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CATALOG #
AAA184881

REACTIVITY
Human

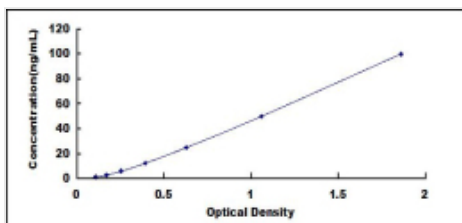
PRODUCT SYNONYMS

C4 Binding Protein Alpha (C4BPα); Human C4 Binding Protein Alpha (C4BPα) ELISA Kit; C4BP-α; PRP; C4BP; Complement Component 4 Binding Protein; Alpha; Proline-rich protein; C4BPα elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of C4 Binding Protein Alpha (C4BPα). No significant cross-reactivity or interference between C4 Binding Protein Alpha (C4BPα) and analogues was observed.
Sequence Length	601
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma and Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.068ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level C4 Binding Protein Alpha (C4BPα) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level C4 Binding Protein Alpha (C4BPα) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for C4BPα elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to C4 Binding Protein Alpha (C4BPα). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to C4 Binding Protein Alpha (C4BPα). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain C4 Binding Protein Alpha (C4BPα), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of C4 Binding Protein Alpha (C4BPα) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	77539456
NCBI GeneID	24235
NCBI Accession #	NP_036648.2
NCBI GenBank Nucleotide #	NM_012516.2
Molecular Weight	62,266 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	C4BP
NCBI Protein Information	C4b-binding protein alpha chain
UniProt Protein Name	C4b-binding protein alpha chain
UniProt Gene Name	C4bpa
UniProt Synonym Gene Names	C4bp

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.