Mouse C4 Binding Protein Alpha (C4BPa) ELISA Kit | C4bp elisa kit

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CATALOG #	REACTIVITY
AAA219788	**Mouse**

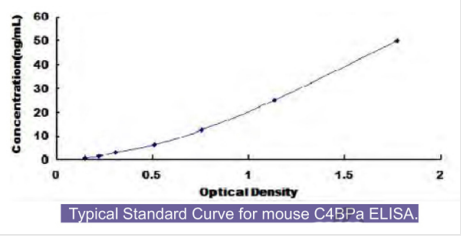
PRODUCT SYNONYMS

C4 Binding Protein Alpha (C4BPa); Mouse C4 Binding Protein Alpha (C4BPa) ELISA Kit; C4BP-a; Complement Component 4 Binding Protein; Alpha; C4bp elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of C4BPa. No significant cross-reactivity or interference between C4BPa and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Mouse serum, plasma or other biological fluids
Detection Range	0.781-50ng/mL
Sensitivity	< 0.38ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level C4BPa were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level C4BPa were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Shelf Life: 12 months

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for C4bp elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to C4BPa. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to C4BPa. 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 C4BPa, 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 C4BPa in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of C4BPa in mouse serum, plasma or other biological fluids.

Product Categories/Family for C4bp elisa kit	Traditional ELISA Kit

NCBI AND UNIPROT INFORMATION

NCBI GI #	115430101
NCBI GeneID	12269
NCBI Accession #	NP_031602.3
NCBI GenBank Nucleotide #	NM_007576.3
UniProt Accession #	P08607; Q91X48
Molecular Weight	51,524 Da
NCBI Official Full Name	C4b-binding protein
NCBI Official Synonym Full Names	complement component 4 binding protein
NCBI Official Symbol	C4bp
NCBI Official Synonym Symbols	C4bpa; AI195242
NCBI Protein Information	C4b-binding protein
UniProt Protein Name	C4b-binding protein
UniProt Gene Name	**C4bpa**
UniProt Synonym Gene Names	C4bp; 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/mouse-elisa-kits/c4-binding-protein-alpha-c4bpa/219788