

Canine C4b-binding protein beta chain (C4BPB) ELISA Kit | C4BPB elisa kit

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CATALOG #
AAA244261

REACTIVITY
Canine

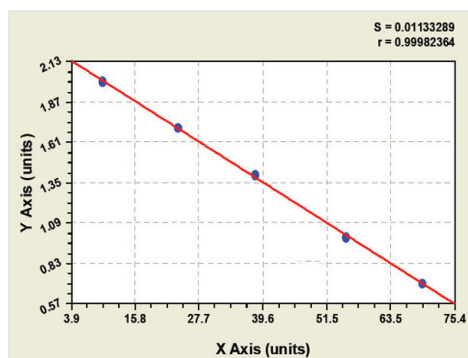
PRODUCT SYNONYMS

C4b-binding protein beta chain (C4BPB); Canine C4b-binding protein beta chain (C4BPB) ELISA Kit; C4BPB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ng/mL.
Intended Uses	This C4BPB ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine C4BPB. 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 C4BPB elisa kit

Principle of the assay: C4BPB ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-C4BPB antibody and an C4BPB-HRP conjugate. The assay sample and buffer are incubated together with C4BPB-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 C4BPB concentration since C4BPB from samples and C4BPB-HRP conjugate compete for the anti-C4BPB antibody binding site. Since the number of sites is limited, as more sites are occupied by C4BPB from the sample, fewer sites are left to bind C4BPB-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The C4BPB concentration in each sample is interpolated from this standard curve.

Product Categories/Family for C4BPB elisa kit

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	62912468
NCBI GeneID	725
NCBI Accession #	NP_001017367.1
NCBI GenBank Nucleotide #	NM_001017367.1
Molecular Weight	28,286 Da
NCBI Official Full Name	C4b-binding protein beta chain isoform 1
NCBI Official Synonym Full Names	complement component 4 binding protein, beta
NCBI Official Symbol	C4BPB
NCBI Official Synonym Symbols	C4BP
NCBI Protein Information	C4b-binding protein beta chain
UniProt Protein Name	C4b-binding protein beta chain
UniProt Gene Name	C4BPB
UniProt Entry Name	C4BPB_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://stage.aaabiotech.com/canine-elisa-kits/c4b-binding-protein-beta-chain-c4bpb/244261>