

Chicken Calcium Binding Protein D9K ELISA Kit | CABPD9k elisa kit

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CATALOG #
AAA247543

REACTIVITY
Chicken

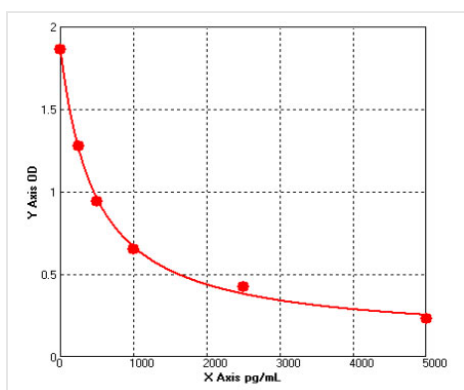
PRODUCT SYNONYMS

Calcium Binding Protein D9K; Chicken Calcium Binding Protein D9K ELISA Kit; CABPD9k elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Specificity	This assay has high sensitivity and excellent specificity for detection of D9K. No significant cross-reactivity or interference between D9K and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between D9K and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	79
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 pg/mL
Reactivity Note	No significant cross-reactivity or interference between this antigen and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection, therefore, cross reaction may still exist in some cases.
Preparation and Storage	Store at 2-8 degree C. 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.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CABPD9k elisa kit	Principle of the Assay: D9K ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-D9K antibody and an D9K-HRP conjugate. The assay sample and buffer are incubated together with D9K-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 D9K concentration since D9K from samples and D9K-HRP conjugate compete for the anti-D9K antibody binding site. Since the number of sites is limited, as more sites are occupied by D9K from the sample, fewer sites are left to bind D9K-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The D9K concentration in each sample is interpolated from this standard curve. Intended Uses: This D9K ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken D9K. This ELISA kit for research use only, not for therapeutic or test applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	8388938
NCBI GeneID	12309
Molecular Weight	8,970 Da
NCBI Official Full Name	calcium-binding protein D9k
NCBI Official Synonym Full Names	S100 calcium binding protein G
NCBI Official Symbol	S100g
NCBI Official Synonym Symbols	CABP1; Calb3; Cabp9k; AU042539; CaBP-D9K
NCBI Protein Information	protein S100-G
UniProt Protein Name	Protein S100-G
UniProt Gene Name	S100g
UniProt Synonym Gene Names	Calb3; S100d; CABP

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://www.aaabiotech.com/cabpd9k-chicken-elisa-kits/calcium-binding-protein-d9k/247543>