

Chicken Alpha-crystallin A chain (CRYAA) ELISA Kit | CRYAA elisa kit

Chicken Alpha-crystallin A chain (CRYAA) ELISA Kit

CATALOG #
AAA245943

REACTIVITY
Chicken

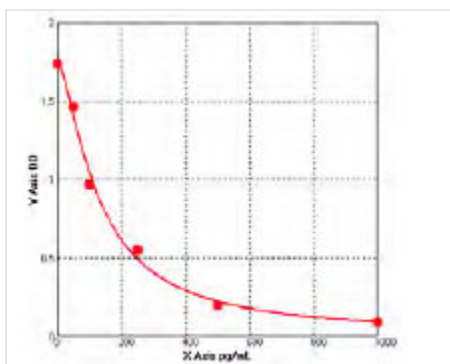
PRODUCT SYNONYMS

Alpha-crystallin A chain (CRYAA); Chicken Alpha-crystallin A chain (CRYAA) ELISA Kit; CRYAA elisa kit

PRODUCT SPECIFICATIONS

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

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	1706112
NCBI GeneID	102724652
Molecular Weight	19,909 Da
NCBI Official Full Name	Alpha-crystallin A chain
NCBI Official Symbol	LOC102724652
NCBI Protein Information	alpha-crystallin A chain-like
UniProt Protein Name	Alpha-crystallin A chain
UniProt Gene Name	CRYAA
UniProt Synonym Gene Names	CRYA1; HSPB4; HspB4
UniProt Entry Name	CRYAA_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/chicken-elisa-kits/alpha-crystallin-a-chain-cryaa/245943>