

Human Alpha-crystallin A chain ELISA Kit | CRYAA elisa kit

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CATALOG #
AAA99123

REACTIVITY
Human

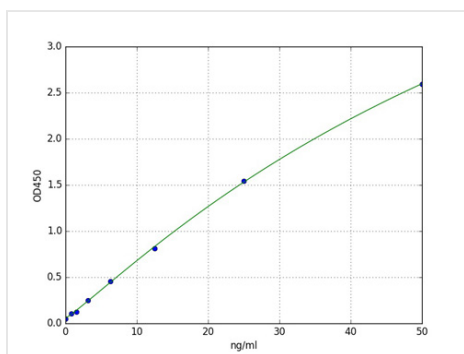
PRODUCT SYNONYMS

Alpha-crystallin A chain; Human Alpha-crystallin A chain ELISA Kit; CRYAA/Alpha-crystallin A chain/Heat shock protein beta-4/HspB4/CRYA1/HSPB4/10HspB4/crystallin; alpha A; CRYAA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	176
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.781-50ng/ml
Sensitivity	0.469ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Human CRYAA ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.781	1.563	3.125	6.25	12.5	25	50
Y	OD450	0.041	0.212	0.350	0.594	0.971	1.336	1.774	2.155

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CRYAA elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human CRYAA antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human CRYAA antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human CRYAA amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human CRYAA can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	343459121
Molecular Weight	20,046 Da
NCBI Official Full Name	alpha crystallin A chain, partial
UniProt Protein Name	Alpha crystallin A chain
UniProt Entry Name	G1FKL6_EPIBR

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/cryaa-human-elisa-kits/alpha-crystallin-a-chain/99123>