

Bovine Anti-calsequestrin antibody ELISA Kit | AC elisa kit

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CATALOG #
AAA94738

REACTIVITY
Bovine

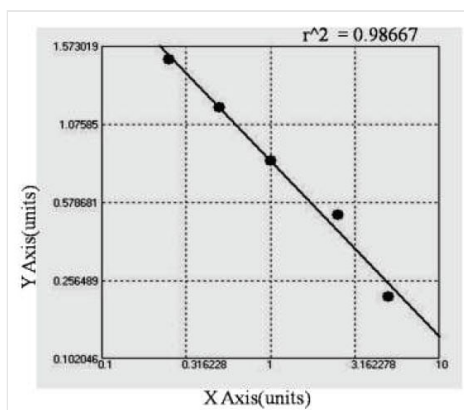
PRODUCT SYNONYMS

Anti-calsequestrin antibody; Bovine Anti-calsequestrin antibody ELISA Kit; AC elisa kit

PRODUCT SPECIFICATIONS

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

Principle of the Assay: Anti-AC ELISA kit applies the competitive enzyme immunoassay technique utilizing calsequestrin antigen and an Anti-AC-HRP conjugate. The assay sample and buffer are incubated together with Anti-AC-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 Anti-AC concentration since Anti-AC from samples and Anti-AC-HRP conjugate compete for the calsequestrin antigen binding site. Since the number of sites is limited, as more sites are occupied by Anti-AC from the sample, fewer sites are left to bind Anti-AC-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Anti-AC concentration in each sample is interpolated from this standard curve. 3. **MATERIALS** All reagents provided are stored at 2-8 degree C. Refer to the expiration date on the label.

NCBI AND UNIPROT INFORMATION

NCBI GI #	211497
NCBI GeneID	395198
Molecular Weight	47,151 Da
NCBI Official Full Name	calsequestrin, partial
NCBI Official Synonym Full Names	calsequestrin 2 (cardiac muscle)
NCBI Official Symbol	CASQ2
NCBI Official Synonym Symbols	CASQ1
NCBI Protein Information	calsequestrin-2; aspartactin; calsequestrin-1; calsequestrin homologue; laminin-binding protein; calsequestrin, skeletal muscle isoform
UniProt Protein Name	Calsequestrin-2
UniProt Gene Name	CASQ2
UniProt Entry Name	CASQ2_CHICK

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/ac-bovine-ovine-elisa-kits/anti-calsequestrin-antibody/94738>