

Rat Caldesmon ELISA Kit | CALD elisa kit

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CATALOG #
AAA82659

REACTIVITY
Rat

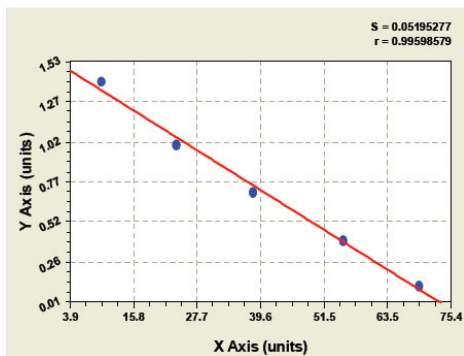
PRODUCT SYNONYMS

Caldesmon; Rat Caldesmon ELISA Kit; CALD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CALD elisa kit	For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate INTENDED USE This CALD ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat CALD. This ELISA kit for research use only! PRINCIPLE OF THE ASSAY CALD ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CALD antibody and an CALD-HRP conjugate. The assay sample and buffer are incubated together with CALD-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 CALD concentration since CALD from samples and CALD-HRP conjugate compete for the anti-CALD antibody binding site. Since the number of sites is limited, as more sites are occupied by CALD from the sample, fewer sites are left to bind CALD-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CALD concentration in each sample is interpolated from this standard curve.
Product Categories/Family for CALD elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	187944161
Molecular Weight	8,657 Da
NCBI Official Full Name	calmodulin, partial
UniProt Protein Name	Calmodulin
UniProt Gene Name	calD
UniProt Entry Name	C0IW66_9EURO

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://www.aaabiotech.com/cald-rat-elisa-kits/caldesmon/82659>