

Chicken Caspase Activated DNase ELISA Kit | CAD elisa kit

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CATALOG #
AAA95685

REACTIVITY
Chicken

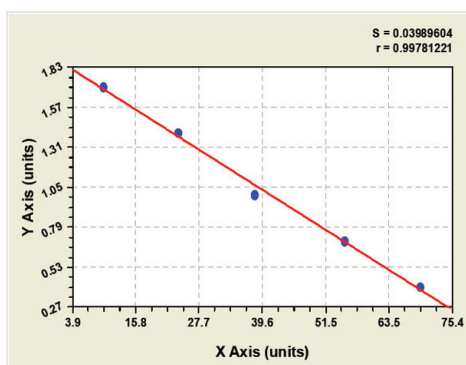
PRODUCT SYNONYMS

Caspase Activated DNase; Chicken Caspase Activated DNase ELISA Kit; CAD elisa kit

PRODUCT SPECIFICATIONS

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

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CAD elisa kit

Intended Uses: This CAD ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken CAD. This ELISA kit for research use only!

Principle of the Assay: CAD ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CAD antibody and an CAD-HRP conjugate. The assay sample and buffer are incubated together with CAD-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 CAD concentration since CAD from samples and CAD-HRP conjugate compete for the anti-CAD antibody binding site. Since the number of sites is limited, as more sites are occupied by CAD from the sample, fewer sites are left to bind CAD-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CAD concentration in each sample is interpolated from this standard curve.

Product Categories/Family for CAD elisa kit

Epigenetics and Nuclear Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	37962942
NCBI GeneID	1677
Molecular Weight	11,482 Da
NCBI Official Full Name	c-truncated caspase-activated DNase
NCBI Official Synonym Full Names	DNA fragmentation factor, 40kDa, beta polypeptide (caspase-activated DNase)
NCBI Official Symbol	DFFB
NCBI Official Synonym Symbols	CAD; CPAN; DFF2; DFF40; DFF-40
NCBI Protein Information	DNA fragmentation factor subunit beta; caspase-activated DNase; caspase-activated nuclease; caspase-activated deoxyribonuclease; DNA fragmentation factor 40 kDa subunit
UniProt Protein Name	DNA fragmentation factor subunit beta
UniProt Gene Name	DFFB
UniProt Synonym Gene Names	CAD; DFF2; DFF40; CAD; Caspase-activated DNase; CPAN; DFF-40
UniProt Entry Name	DFFB_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.

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Online datasheet: <https://stage.aaabiotech.com/cad-chicken-elisa-kits/caspase-activated-dnase/95685>