

Guinea Pig Caspase Activated DNase ELISA Kit | CAD elisa kit

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CATALOG #
AAA83836

REACTIVITY
Guinea Pig

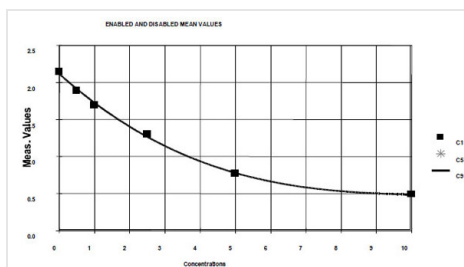
PRODUCT SYNONYMS

Caspase Activated DNase; Guinea pig Caspase Activated DNase ELISA Kit; CAD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Guinea Pig
Samples	Cell culture fluid & body fluid & tissue homogenate Serum or blood plasma
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CAD elisa kit

For Samples: Cell culture fluid & body fluid & tissue homogenate Serum or blood plasma

Intended Uses: This CAD ELISA kit is intended for laboratory research use only. The stop solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of CAD in the sample, this CAD ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus CAD concentration. The concentration of in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Principle of the Assay: The coated well immunoenzymatic assay for the quantitative measurement of CAD utilizes 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. Standards of known CAD concentrations are run concurrently with the samples being assayed and a standard curve is plotted relating the intensity of the color (Optical Density) to the concentration of CAD. The CAD concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	3410909
NCBI GeneID	1677
Molecular Weight	11,482 Da
NCBI Official Full Name	CAD
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/cad-guinea-pig-pig-elisa-kits/caspase-activated-dnase/83836>