

Rat cysteinyl aspartate specific proteinases 3 ELISA Kit | Caspase-3/ CPP32 elisa kit

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CATALOG #
AAA83815

REACTIVITY
Rat

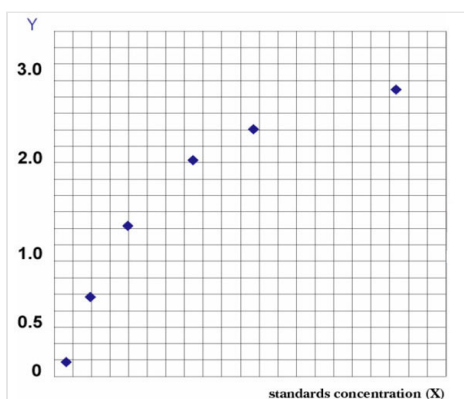
PRODUCT SYNONYMS

cysteinyl aspartate specific proteinases 3; Rat cysteinyl aspartate specific proteinases 3 ELISA Kit; Rat cysteinyl aspartate specific proteinases 3 (Caspase-3/ CPP32); cysteinyl aspartate specific proteinases 3 (Rat); Caspase-3/ CPP32 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Assay Type	Sandwich
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Caspase-3/ CPP32 elisa kit	Intended Uses: This CASPASE-3/ CPP32 ELISA kit is intended Laboratory for 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 CASPASE-3/ CPP32 in the sample, this CASPASE-3/ CPP32 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 CASPASE-3/ CPP32 concentration. The concentration of CASPASE-3/ CPP32 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Principle of the Assay: This CASPASE-3/ CPP32 enzyme linked immunosorbent assay applies a technique called a quantitative sandwich immunoassay. The microtiter plate provided in this kit has been pre-coated with a monoclonal antibody specific for CASPASE-3/ CPP32. Standards or samples are then added to the microtiter plate wells and CASPASE-3/ CPP32 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of CASPASE-3/ CPP32 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for CASPASE-3/ CPP32 are added to each well to "sandwich" the CASPASE-3/ CPP32 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, A and B substrate solution is added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain CASPASE-3/ CPP32 and enzyme-conjugated antibody will exhibit a change in colour. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the colour change is measured spectrophotometrically at a wavelength of 450 nm.
Product Categories/Family for Caspase-3/ CPP32 elisa kit	Rat ELISA Kit

NCBI AND UNIPROT INFORMATION

NCBI GI #	14790119
NCBI GeneID	836
NCBI Accession #	NP_004337.2
NCBI GenBank Nucleotide #	NM_004346.3
UniProt Accession #	P42574; Q96AN1; Q96KP2; A8K5M2; D3DP53; Q5HYI3
Molecular Weight	31,608 Da
NCBI Official Full Name	caspase-3 preproprotein
NCBI Official Synonym Full Names	caspase 3, apoptosis-related cysteine peptidase
NCBI Official Symbol	CASP3
NCBI Official Synonym Symbols	CPP32; SCA-1; CPP32B
NCBI Protein Information	caspase-3; Yama; CASP-3; CPP-32; apopain; procaspase3; protein Yama; OTTHUMP00000165052; OTTHUMP00000165053; OTTHUMP00000165054; OTTHUMP00000165055; OTTHUMP00000224230; OTTHUMP00000224231; PARP cleavage protease; cysteine protease CPP32; SREBP cleavage activity 1; caspase 3, apoptosis-related cysteine protease
UniProt Protein Name	Caspase-3
UniProt Gene Name	CASP3
UniProt Synonym Gene Names	CPP32
UniProt Entry Name	CASP3_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.