

Mouse Caspase-3 ELISA Kit | caspase-3 elisa kit

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CATALOG #
AAA16646

REACTIVITY
Mouse

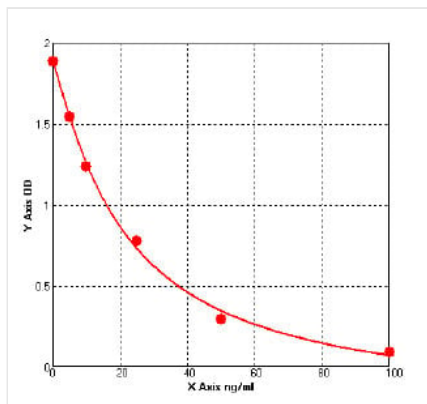
PRODUCT SYNONYMS

Caspase-3; Mouse Caspase-3 ELISA Kit; caspase-3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of CASPASE-3. No significant cross-reactivity or interference between CASPASE-3 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CASPASE-3 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for caspase-3 elisa kit	Principle of the Assay: CASPASE-3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CASPASE-3 antibody and an CASPASE-3-HRP conjugate. The assay sample and buffer are incubated together with CASPASE-3-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 CASPASE-3 concentration since CASPASE-3 from samples and CASPASE-3-HRP conjugate compete for the anti-CASPASE-3 antibody binding site. Since the number of sites is limited, as more sites are occupied by CASPASE-3 from the sample, fewer sites are left to bind CASPASE-3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CASPASE-3 concentration in each sample is interpolated from this standard curve. Intended Uses: This CASPASE-3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse CASPASE-3. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for caspase-3 elisa kit	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	14790119
NCBI GeneID	836
NCBI Accession #	NP_004337.2
NCBI GenBank Nucleotide #	NM_004346.3
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; CASP-3; CPP-32; apopain; procaspase3; protein Yama; 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; CASP-3; CPP-32; SCA-1
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.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/caspase-3/16646>