

Rat Caspase 12 ELISA Kit | Caspase-12 elisa kit

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CATALOG #
AAA84384

REACTIVITY
Rat

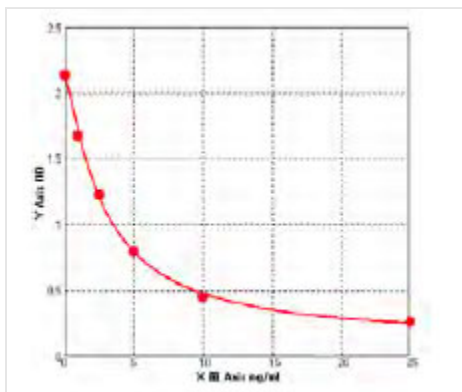
PRODUCT SYNONYMS

Caspase 12; Rat Caspase 12 ELISA Kit; Caspase-12 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of CASP12. No significant cross-reactivity or interference between CASP12 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CASP12 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative 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 Caspase-12 elisa kit	Intended Uses: This CASP12 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat CASP12. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: CASP12 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-CASP12 antibody and an CASP12-HRP conjugate. The assay sample and buffer are incubated together with CASP12-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 CASP12 concentration since CASP12 from samples and CASP12-HRP conjugate compete for the anti-CASP12 antibody binding site. Since the number of sites is limited, as more sites are occupied by CASP12 from the sample, fewer sites are left to bind CASP12-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CASP12 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for Caspase-12 elisa kit	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	116175428
NCBI GeneID	479458
NCBI Accession #	NP_001070704.1
NCBI GenBank Nucleotide #	NM_001077236.1
Molecular Weight	54,895 Da
NCBI Official Full Name	caspase-12
NCBI Official Symbol	CASP12
NCBI Official Synonym Symbols	Caspase-12
NCBI Protein Information	caspase-12; CASP-12
UniProt Protein Name	Caspase-12
UniProt Gene Name	CASP-12
UniProt Synonym Gene Names	CASP-12
UniProt Entry Name	CASPC_CANFA

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/caspase-12-rat-elisa-kits/caspase-12/84384>