

Canine Caspase-9 ELISA Kit | caspase-9 elisa kit

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CATALOG #
AAA92989

REACTIVITY
Canine

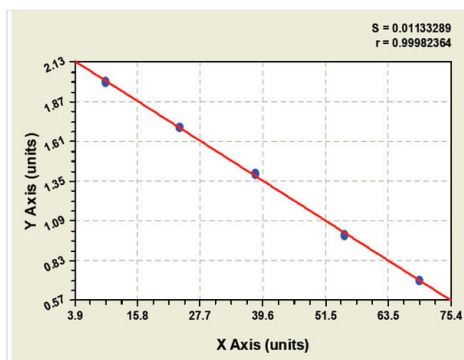
PRODUCT SYNONYMS

Caspase-9; Canine Caspase-9 ELISA Kit; caspase-9 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for caspase-9 elisa kit	For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate INTENDED USE This CASPASE-9 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine CASPASE-9. This ELISA kit for research use only! PRINCIPLE OF THE ASSAY CASPASE-9 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CASPASE-9 antibody and an CASPASE-9-HRP conjugate. The assay sample and buffer are incubated together with CASPASE-9-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-9 concentration since CASPASE-9 from samples and CASPASE-9-HRP conjugate compete for the anti-CASPASE-9 antibody binding site. Since the number of sites is limited, as more sites are occupied by CASPASE-9 from the sample, fewer sites are left to bind CASPASE-9-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CASPASE-9 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for caspase-9 elisa kit	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	6518502
NCBI GeneID	842
Molecular Weight	36,564 Da
NCBI Official Full Name	caspase-9
NCBI Official Synonym Full Names	caspase 9, apoptosis-related cysteine peptidase
NCBI Official Symbol	CASP9
NCBI Official Synonym Symbols	MCH6; APAF3; APAF-3; PPP1R56; ICE-LAP6
NCBI Protein Information	caspase-9; apoptotic protease MCH-6; ICE-like apoptotic protease 6; apoptotic protease activating factor 3; protein phosphatase 1, regulatory subunit 56
UniProt Protein Name	Caspase-9
UniProt Gene Name	CASP9
UniProt Synonym Gene Names	MCH6; CASP-9; APAF-3; ICE-LAP6
UniProt Entry Name	CASP9_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.