

Human cysteinyl aspartate specific proteinases 9 ELISA Kit | Caspase-9/MCH6/ICE-LAP6 elisa kit

Human cysteinyl aspartate specific proteinases 9 ELISA Kit

CATALOG # AAA82006	REACTIVITY Human
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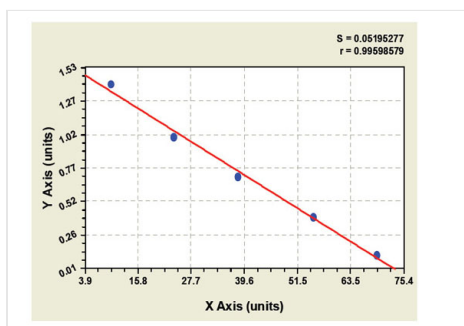
PRODUCT SYNONYMS

cysteinyl aspartate specific proteinases 9; Human cysteinyl aspartate specific proteinases 9 ELISA Kit; cysteinyl aspartate specific proteinases 9 (Human); Caspase-9/MCH6/ICE-LAP6 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This CASP9 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CASP9. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Caspase-9/MCH6/ICE-LAP6 elisa kit

Principle of the assay: CASP9 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CASP9 antibody and an CASP9-HRP conjugate. The assay sample and buffer are incubated together with CASP9-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 CASP9 concentration since CASP9 from samples and CASP9-HRP conjugate compete for the anti-CASP9 antibody binding site. Since the number of sites is limited, as more sites are occupied by CASP9 from the sample, fewer sites are left to bind CASP9-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CASP9 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	14790124
NCBI GeneID	842
NCBI Accession #	NP_001220.2
NCBI GenBank Nucleotide #	NM_001229.3
UniProt Accession #	P55211; Q95348; Q53Y70; Q5JRU9; Q92852; Q9BQ62; Q9UEQ3; Q9UIJ8; Q59GG2; Q5JRU2; Q5JRU8; Q5UGI1; Q6EV95
Molecular Weight	46,281 Da
NCBI Official Full Name	caspase-9 isoform alpha preproprotein
NCBI Official Synonym Full Names	caspase 9, apoptosis-related cysteine peptidase
NCBI Official Symbol	CASP9
NCBI Official Synonym Symbols	MCH6; APAF3; APAF-3; ICE-LAP6; CASPASE-9c
NCBI Protein Information	caspase-9; OTTHUMP00000002322; OTTHUMP00000002323; OTTHUMP00000002324; apoptotic protease MCH-6; ICE-like apoptotic protease 6; apoptotic protease activating factor 3
UniProt Protein Name	Caspase-9
UniProt Gene Name	CASP9
UniProt Synonym Gene Names	MCH6
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.