

Human Caspase 14 ELISA Kit | CASP14 elisa kit

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CATALOG #
AAA81970

REACTIVITY
Human

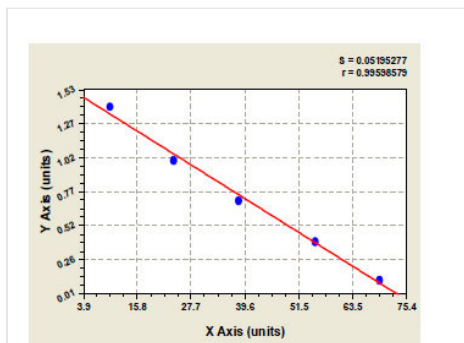
PRODUCT SYNONYMS

Caspase 14; Human Caspase 14 ELISA Kit; CASP14 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/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 CASP14 elisa kit

Intended Uses: This CASP14 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CASP14. This ELISA kit for research use only!

Principle of the Assay||CASP14 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CASP14 antibody and an CASP14-HRP conjugate. The assay sample and buffer are incubated together with CASP14-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 CASP14 concentration since CASP14 from samples and CASP14-HRP conjugate compete for the anti-CASP14 antibody binding site. Since the number of sites is limited, as more sites are occupied by CASP14 from the sample, fewer sites are left to bind CASP14-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CASP14 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6912286
NCBI GeneID	23581
NCBI Accession #	NP_036246.1
NCBI GenBank Nucleotide #	NM_012114.2
Molecular Weight	27,680 Da
NCBI Official Full Name	caspase-14
NCBI Official Synonym Full Names	caspase 14, apoptosis-related cysteine peptidase
NCBI Official Symbol	CASP14
NCBI Protein Information	caspase-14; CASP-14; apoptosis-related cysteine protease; caspase 14, apoptosis-related cysteine protease
UniProt Protein Name	Caspase-14
UniProt Gene Name	CASP14
UniProt Synonym Gene Names	CASP-14
UniProt Entry Name	CASPE_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/casp14-human-elisa-kits/caspase-14/81970>