

Canine Caspase 2 ELISA Kit | Caspase-2 elisa kit

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CATALOG #
AAA97321

REACTIVITY
Canine

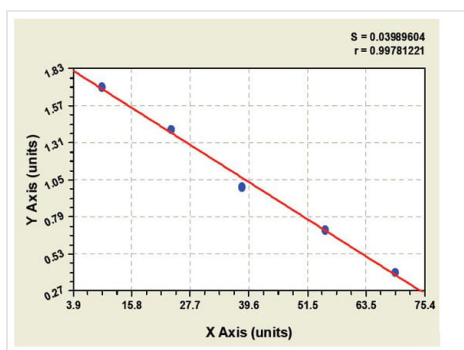
PRODUCT SYNONYMS

Caspase 2; Canine Caspase 2 ELISA Kit; Caspase-2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This Caspase 2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine Caspase 2. 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-2 elisa kit

Principle of the assay: Caspase 2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-Caspase 2 antibody and an Caspase 2-HRP conjugate. The assay sample and buffer are incubated together with Caspase 2-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 2 concentration since Caspase 2 from samples and Caspase 2-HRP conjugate compete for the anti-Caspase 2 antibody binding site. Since the number of sites is limited, as more sites are occupied by Caspase 2 from the sample, fewer sites are left to bind Caspase 2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Caspase 2 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for Caspase-2 elisa kit

Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	147899217
NCBI GeneID	397817
NCBI Accession #	NP_001081404.1
NCBI GenBank Nucleotide #	NM_001087935.1
NCBI Official Full Name	caspase 2, apoptosis-related cysteine peptidase (neural cell expressed, developmentally down-regulated 2)
NCBI Official Synonym Full Names	caspase 2, apoptosis-related cysteine peptidase (neural precursor cell expressed, developmentally down-regulated 2)<
NCBI Official Symbol	casp2
NCBI Official Synonym Symbols	xCaspase-2
NCBI Protein Information	caspase 2, apoptosis-related cysteine peptidase (neural precursor cell expressed, developmentally down-regulated 2); caspase 2, apoptosis-related cysteine peptidase (neural precursor cell expressed, developmentally down-regulated 2); caspase-2

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/caspase-2-canine-elisa-kits/caspase-2/97321>