

Human Caspase recruitment domain containing protein 16 (CARD16) ELISA Kit | CARD16 elisa kit

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CATALOG # AAA244836	REACTIVITY Human
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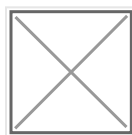
PRODUCT SYNONYMS

Caspase recruitment domain containing protein 16 (CARD16); Human Caspase recruitment domain containing protein 16 (CARD16) ELISA Kit; CARD16 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CARD16. No significant cross-reactivity or interference between CARD16 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CARD16 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	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CARD16 elisa kit	Intended Uses: This CARD16 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CARD16. This ELISA kit for research use only! Principle of the Assay: CARD16 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CARD16 antibody and an CARD16-HRP conjugate. The assay sample and buffer are incubated together with CARD16-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 CARD16 concentration since CARD16 from samples and CARD16-HRP conjugate compete for the anti-CARD16 antibody binding site. Since the number of sites is limited, as more sites are occupied by CARD16 from the sample, fewer sites are left to bind CARD16-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CARD16 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for CARD16 elisa kit	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	16751833
NCBI GeneID	114769
NCBI Accession #	NP_443121.1
NCBI GenBank Nucleotide #	NM_052889.2
Molecular Weight	10,737 Da
NCBI Official Full Name	caspase recruitment domain-containing protein 16 isoform 2
NCBI Official Synonym Full Names	caspase recruitment domain family, member 16
NCBI Official Symbol	CARD16
NCBI Official Synonym Symbols	COP; COP1; PSEUDO-ICE
NCBI Protein Information	caspase recruitment domain-containing protein 16; CARD only protein; CARD-only protein 1; caspase-1 inhibitor COP; pseudo-IL1B-converting enzyme; CARD only domain-containing protein 1; caspase recruitment domain-only protein 1; pseudo interleukin-1beta converting enzyme; pseudo interleukin-1 beta converting enzyme; caspase-1 dominant-negative inhibitor pseudo-ICE
UniProt Protein Name	Caspase recruitment domain-containing protein 16
UniProt Gene Name	CARD16
UniProt Synonym Gene Names	COP; COP1; CARD-only protein 1; Pseudo-ICE; Pseudo-IL1B-converting enzyme
UniProt Entry Name	CAR16_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/human-elisa-kits/caspase-recruitment-domain-containing-protein-16-card16/244836>