

Human cartilage acidic protein 1 ELISA Kit | CRTAC1 elisa kit

Human Cartilage acidic protein 1, CRTAC1 ELISA Kit

CATALOG #
AAA112490

REACTIVITY
Human

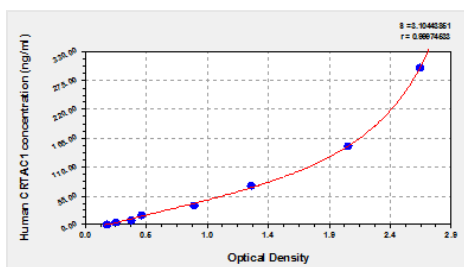
PRODUCT SYNONYMS

cartilage acidic protein 1; Human Cartilage acidic protein 1; CRTAC1 ELISA Kit; Human Cartilage acidic protein 1 (CRTAC1) ELISA kit; RP11-459F3.1; ASPIC1; CEP-68; FLJ10320; acidic secreted protein in cartilage; chondrocyte expressed protein 68 kDa CEP-68; CRTAC1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human CRTAC1. No significant cross-reactivity or interference between human CRTAC1 and analogues was observed.
Sequence Length	645
Samples	Serum, plasma, tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	4.68 ng/ml-300 ng/ml
Sensitivity	<1.17 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CRTAC1 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for CRTAC1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any CRTAC1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CRTAC1 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of CRTAC1 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	330688397
NCBI GeneID	55118
NCBI Accession #	NP_001193457.1
NCBI GenBank Nucleotide #	NM_001206528.2
UniProt Accession #	Q9NQ79; Q5T4F8; Q8N4H6; Q8TE52; Q9NQ78; Q9NQ80; Q9NW46; B1ALN4
Molecular Weight	71,421 Da
NCBI Official Full Name	cartilage acidic protein 1 isoform B
NCBI Official Synonym Full Names	cartilage acidic protein 1
NCBI Official Symbol	CRTAC1
NCBI Official Synonym Symbols	ASPIC; ASPIC1; CEP-68
NCBI Protein Information	cartilage acidic protein 1; acidic secreted protein in cartilage; chondrocyte expressed protein 68 kDa CEP-68
UniProt Protein Name	Cartilage acidic protein 1
UniProt Gene Name	CRTAC1
UniProt Synonym Gene Names	ASPIC1; CEP68; CEP-68
UniProt Entry Name	CRAC1_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://www.aaabiotech.com/crtac1-human-elisa-kits/cartilage-acidic-protein-1/112490>