

CANT1 elisa kit

Human CANT1 ELISA Kit

CATALOG #
AAA125385

REACTIVITY
HumanThere is no detectable cross-reactivity with other relevant proteins.

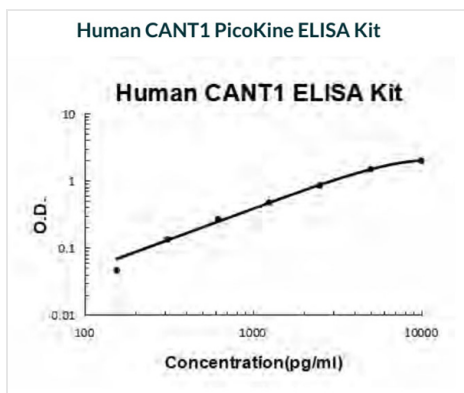
PRODUCT SYNONYMS

CANT1; Human CANT1 ELISA Kit; Human CANT1; Soluble calcium-activated nucleotidase 1; SCAN-1; Apyrase homolog; Putative MAPK-activating protein PM09; Putative NF-kappa-B-activating protein 107; SHAPY; CANT1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human There is no detectable cross-reactivity with other relevant proteins.
Specificity	Natural and recombinant Human CANT1
Sequence Length	401
Samples	Cell culture supernatants, serum and plasma (heparin, EDTA, citrate)
Detection Range	156 pg/ml - 10,000 pg/ml
Sensitivity	<50 pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CANT1 elisa kit	Background: CANT1 is a gene that encodes soluble calcium-activated nucleotidase 1, an enzyme, in humans. It is mapped to 17q25.3. This protein encoded by this gene belongs to the apyrase family. It functions as a calcium-dependent nucleotidase with a preference for UDP. Mutations in this gene are associated with Desbuquois dysplasia with hand anomalies. Alternatively spliced transcript variants have been noted for this gene. Principle of the Assay: The Picokine™ Human CANT1 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human CANT1 with a 96-well strip plate that is pre-coated with antibody specific for CANT1. The detection antibody is a biotinylated antibody specific for CANT1. The capture antibody is a monoclonal antibody from mouse and the detection antibody is a biotinylated monoclonal antibody from goat. The kit contains recombinant Human CANT1 with immunogen: Expression system for standard: NS0; Immunogen sequence: R63-I401. The kit is analytically validated with ready-to-use reagents. To measure Human CANT1, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Human CANT1 in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human CANT1 in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	229577440
NCBI GeneID	124583
NCBI Accession #	NP_001153244.1
NCBI GenBank Nucleotide #	NP_001153244.1
UniProt Accession #	Q8WVQ1
NCBI Official Full Name	soluble calcium-activated nucleotidase 1
NCBI Official Synonym Full Names	calcium activated nucleotidase 1
NCBI Official Symbol	CANT1
NCBI Official Synonym Symbols	DBQD; EDM7; DBQD1; SCAN1; SHAPY; SCAN-1
NCBI Protein Information	soluble calcium-activated nucleotidase 1
UniProt Protein Name	Soluble calcium-activated nucleotidase 1
UniProt Gene Name	CANT1
UniProt Synonym Gene Names	SHAPY; SCAN-1
UniProt Entry Name	CANT1_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.