

Human Calsyntenin 1 ELISA Kit | CLSTN1 elisa kit

Human Calsyntenin 1 ELISA Kit PicoKine

CATALOG # AAA126738	REACTIVITY Human	APPLICATIONS ELISA
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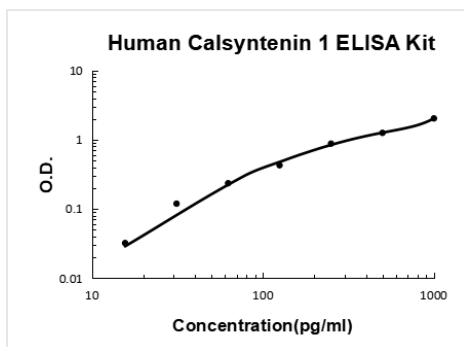
PRODUCT SYNONYMS

Calsyntenin 1; Human Calsyntenin 1 ELISA Kit PicoKine; CLSTN1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human CLSTN1
Samples	Cell culture supernatants, serum and plasma (heparin, EDTA)
Detection Range	15.6 pg/ml - 1,000 pg/ml
Sensitivity	<10 pg/ml
Applicable Applications for CLSTN1 elisa kit	ELISA
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, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Ships with gel ice, can store for up to 3 days in room temperature. Freeze upon receiving.)

IMAGES



Standard Curve (Sample)

Human Calsyntenin 1 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for CLSTN1 elisa kit	Background: Calsyntenin-1 is a protein that in humans is encoded by the CLSTN1 gene. This gene is a member of the calsyntenin family, a subset of the cadherin superfamily. The encoded transmembrane protein, also known as alcadein-alpha, is thought to bind to kinesin-1 motors to mediate the axonal anterograde transport of certain types of vesicle. Amyloid precursor protein (APP) is trafficked via these vesicles and so this protein is being investigated to see how it might contribute to the mechanisms underlying Alzheimer's disease. Alternative splicing results in multiple transcript variants. Principle of the Assay: The Picokine™ Human CLSTN1 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human CLSTN1 with a 96-well strip plate that is pre-coated with antibody specific for CLSTN1. The detection antibody is a biotinylated antibody specific for CLSTN1. The capture antibody is a monoclonal antibody from mouse and the detection antibody is a biotinylated polyclonal antibody from goat. The kit includes Human CLSTN1 protein as standards. To measure Human CLSTN1, 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 unbound 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 CLSTN1 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 CLSTN1 in the sample.
Product Categories/Family for CLSTN1 elisa kit	PicoKine ELISA Kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	57242757
NCBI GeneID	22883
NCBI Accession #	NP_001009566.1
NCBI GenBank Nucleotide #	NM_001009566.1
UniProt Accession #	O94985; Q5SR52; Q5UE58; Q71MN0; Q8N4K9; A8K183; Q5SR54
Molecular Weight	109,793 Da
NCBI Official Full Name	calsyntenin-1 isoform 1
NCBI Official Synonym Full Names	calsyntenin 1
NCBI Official Symbol	CLSTN1
NCBI Official Synonym Symbols	CSTN1; CDHR12; PIK3CD; FLJ32258; KIAA0911; ALC-ALPHA; XB31alpha; alcalpha1; alcalpha2
NCBI Protein Information	calsyntenin-1; alcadein-alpha; alcadein alpha 1; OTTHUMP00000001597; OTTHUMP00000001598; OTTHUMP00000001599; non-classical cadherin XB31alpha; cadherin-related family member 12; non-classical cadherin XB31alpha1; alzheimer-related cadherin-like protein
UniProt Protein Name	Calsyntenin-1
UniProt Gene Name	CLSTN1
UniProt Synonym Gene Names	CS1; KIAA0911
UniProt Entry Name	CSTN1_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/clstn1-human-elisa-kits/calsyntenin-1/126738>