

Human Contactin-1 ELISA Kit | CNTN1 elisa kit

Human Contactin-1 PicoKine ELISA Kit

CATALOG #
AAA125049

REACTIVITY
Human

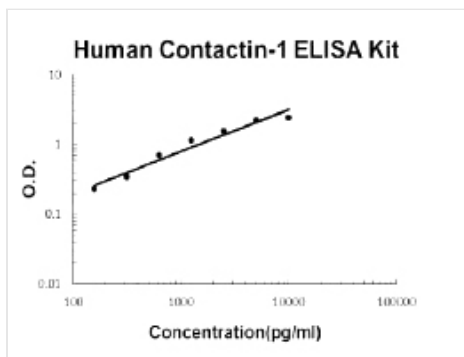
PRODUCT SYNONYMS

Contactin-1; Human Contactin-1 PicoKine ELISA Kit; Human Contactin-1; CNTN1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human CKM
Sequence Length	1010
Samples	Cell Culture Supernates, Serum And Plasma (Heparin, Edta, Citrate)
Detection Range	0.15mU/ml-10mU/ml
Sensitivity	<0.05mU/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 accross assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CNTN1 elisa kit	Principle of the Assay: The Picokine Human CKM Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human CKM with a 96-well strip plate that is pre-coated with antibody specific for CKM. The detection antibody is a biotinylated antibody specific for CKM. The capture antibody is A monoclonal antibody from mouse, the detection antibody is a biotinylated detection polyclonal antibody from goat. The kit contains recombinant Human CKM with immunogen:. The kit is analytically validated with ready to use reagents. To measure Human CKM, 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 substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly propotional to Human CKM in the sample. Read the density 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 CKM in the sample!!Background/Introduction: Creatine kinase, muscle also known as CKM is a creatine kinase that in humans is encoded by the CKM gene. This gene is mapped to 19q13.32. The protein encoded by this gene is a cytoplasmic enzyme involved in energy homeostasis and is an important serum marker for myocardial infarction. The encoded protein reversibly catalyzes the transfer of phosphate between ATP and various phosphogens such as creatine phosphate. It acts as a homodimer in striated muscle as well as in other tissues, and as a heterodimer with a similar brain isozyme in heart. The encoded protein is a member of the ATP:guanido phosphotransferase protein family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	292494926
NCBI GeneID	417786
NCBI Accession #	NP_001004381.3
NCBI GenBank Nucleotide #	NM_001004381.3
NCBI Official Full Name	contactin-1 preproprotein
NCBI Official Synonym Full Names	contactin 1
NCBI Official Symbol	CNTN1
NCBI Official Synonym Symbols	F11; contactin-1
NCBI Protein Information	contactin-1

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/human-elisa-kits/contactin-1/125049>