

Rat Contactin-1 ELISA Kit | CNTN1 elisa kit

Rat Contactin-1 PicoKine ELISA Kit

CATALOG #
AAA125182

REACTIVITY
Rat

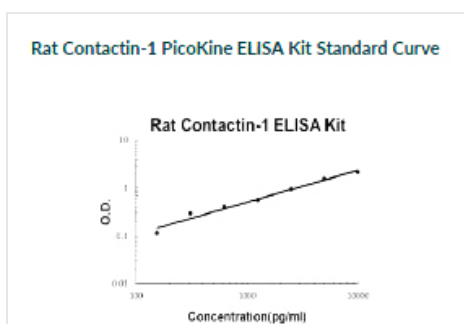
PRODUCT SYNONYMS

Contactin-1; Rat Contactin-1 PicoKine ELISA Kit; Rat Contactin-1; contactin 1; Neural cell surface protein F3; Cntn1; CNTN1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Natural and recombinant Rat Cntn1
Sequence Length	1021
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Detection Range	156pg/ml-10000pg/ml
Sensitivity	<50pg/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 CNTN1 elisa kit	Principle of the Assay: The Picokine™ Rat Cntn1 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Rat Cntn1 with a 96-well strip plate that is pre-coated with antibody specific for Cntn1. The detection antibody is a biotinylated antibody specific for Cntn1. The capture antibody is a monoclonal antibody from mouse, the detection antibody is a biotinylated polyclonal antibody from goat. The kit contains recombinant Rat Cntn1 with immunogen: Expression system for standard: NSO, Immunogen sequence: E21-S1001. The kit is analytically validated with ready to use reagents. To measure Rat Cntn1, 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 proportional to Rat Cntn1 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 Rat Cntn1 in the sample.!!Background/Introduction: Contactin 1, also known as CNTN1, is a protein which in humans is encoded by the CNTN1 gene. It is mapped to 7q35. The protein encoded by this gene is a member of the immunoglobulin superfamily. It is a glycosylphosphatidylinositol (GPI)-anchored neuronal membrane protein that functions as a cell adhesion molecule. It may play a role in the formation of axon connections in the developing nervous system. Two alternatively spliced transcript variants encoding different isoforms have been described for this gene.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	16923964
NCBI GeneID	117258
NCBI Accession #	NP_476459.1
NCBI GenBank Nucleotide #	NP_476459.1
UniProt Accession #	Q63198
NCBI Official Full Name	contactin-1
NCBI Official Synonym Full Names	contactin 1
NCBI Official Symbol	Cntn1
NCBI Official Synonym Symbols	F3
NCBI Protein Information	contactin-1
UniProt Protein Name	Contactin-1
UniProt Gene Name	Cntn1
UniProt Entry Name	CNTN1_RAT

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.