

Human Contactin-4 ELISA Kit | CNTN4 elisa kit

Human Contactin-4 PicoKine ELISA Kit

CATALOG #
AAA125184

REACTIVITY
Human

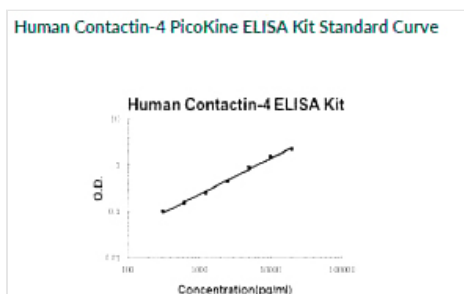
PRODUCT SYNONYMS

Contactin-4; Human Contactin-4 PicoKine ELISA Kit; Human Contactin-4; contactin 4; Brain-derived immunoglobulin superfamily protein 2; BIG-2; CNTN4; CNTN4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human CNTN4
Sequence Length	1026
Samples	Cell culture supernates, serum and plasma (heparin, EDTA, citrate)
Detection Range	312pg/ml-20000pg/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 CNTN4 elisa kit	Principle of the Assay: The Picokine™ Human CNTN4 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human CNTN4 with a 96-well strip plate that is pre-coated with antibody specific for CNTN4. The detection antibody is a biotinylated antibody specific for CNTN4. The capture antibody is a monoclonal antibody from mouse, the detection antibody is a biotinylated polyclonal antibody from goat. The kit contains recombinant Human CNTN4 with immunogen: Expression system for standard: NSO, Immunogen sequence: D19-S1000. The kit is analytically validated with ready to use reagents. To measure Human CNTN4, 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 Human CNTN4 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 CNTN4 in the sample.!!Background/Introduction: Contactin-4 is a protein that in humans is encoded by the CNTN4 gene. It is mapped to 3p26.3-p26.2. This gene encodes a member of the contactin family of immunoglobulins. Contactins are axon-associated cell adhesion molecules that function in neuronal network formation and plasticity. The encoded protein is a glycosylphosphatidylinositol-anchored neuronal membrane protein that may play a role in the formation of axon connections in the developing nervous system. Deletion or mutation of this gene may play a role in 3p deletion syndrome and autism spectrum disorders. Alternative splicing results in multiple transcript variants.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	332688245
NCBI GeneID	152330
NCBI Accession #	NP_001193884.1
NCBI GenBank Nucleotide #	NP_001193884.1
UniProt Accession #	Q8IWW2
NCBI Official Full Name	contactin-4 isoform a
NCBI Official Synonym Full Names	contactin 4
NCBI Official Symbol	CNTN4
NCBI Official Synonym Symbols	AXCAM; BIG-2
NCBI Protein Information	contactin-4
UniProt Protein Name	Contactin-4
UniProt Gene Name	CNTN4
UniProt Synonym Gene Names	BIG-2
UniProt Entry Name	CNTN4_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/cntn4-human-elisa-kits/contactin-4/125184>