

Human Contactin-2 ELISA Kit | CNTN2 elisa kit

Human Contactin-2 PicoKine ELISA Kit

CATALOG #
AAA125183

REACTIVITY
Human

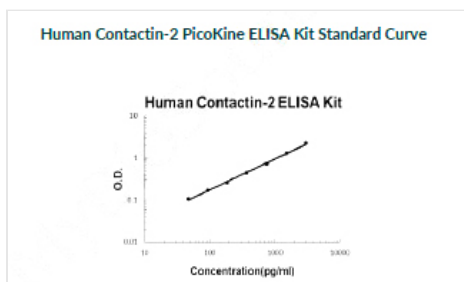
PRODUCT SYNONYMS

Contactin-2; Human Contactin-2 PicoKine ELISA Kit; Human Contactin-2; contactin 2; Axonal glycoprotein TAG-1; Axonin-1; Transient axonal glycoprotein 1; TAX-1; CNTN2; AXT; TAG1; TAX1; CNTN2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human CNTN2
Sequence Length	1040
Samples	Cell culture supernates, serum and plasma (heparin, EDTA, citrate)
Detection Range	46.9pg/ml-3000pg/ml
Sensitivity	<10pg/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 CNTN2 elisa kit	Principle of the Assay: The Picokine™ Human CNTN2 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human CNTN2 with a 96-well strip plate that is pre-coated with antibody specific for CNTN2. The detection antibody is a biotinylated antibody specific for CNTN2. The capture antibody is a monoclonal antibody from mouse, the detection antibody is a biotinylated polyclonal antibody from goat. The kit contains recombinant Human CNTN2 with immunogen: Expression system for standard: NSO, Immunogen sequence: S31-N1012. The kit is analytically validated with ready to use reagents. To measure Human CNTN2, 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 CNTN2 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 CNTN2 in the sample.!!Background/Introduction: Contactin-2 is a protein that in humans is encoded by the CNTN2 gene. It is mapped to 1q32.1. This gene encodes a member of the contactin family of proteins, part of the immunoglobulin superfamily of cell adhesion molecules. The encoded glycosylphosphatidylinositol (GPI)-anchored neuronal membrane protein plays a role in the proliferation, migration, and axon guidance of neurons of the developing cerebellum. A mutation in this gene may be associated with adult myoclonic epilepsy.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4827022
NCBI GeneID	6900
NCBI Accession #	NP_005067.1
NCBI GenBank Nucleotide #	NP_005067.1
UniProt Accession #	Q02246
NCBI Official Full Name	contactin-2
NCBI Official Synonym Full Names	contactin 2
NCBI Official Symbol	CNTN2
NCBI Official Synonym Symbols	AXT; TAX; TAX1; FAME5; TAG-1
NCBI Protein Information	contactin-2
UniProt Protein Name	Contactin-2
UniProt Gene Name	CNTN2
UniProt Synonym Gene Names	AXT; TAG1; TAX1; TAX-1
UniProt Entry Name	CNTN2_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.