

ARG82504 Human CNTN2 / Contactin 2 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82504-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82504-002	Standard	2 X 10 ng/vial	4°C
ARG82504-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82504-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82504-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82504-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82504-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82504-008	25X Wash buffer	20 ml	4°C
ARG82504-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82504-010	STOP solution	10 ml (Ready to use)	4°C
ARG82504-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82504 Human CNTN2 / Contactin 2 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CNTN2 / Contactin 2 in serum, plasma (EDTA, heparin, citrate) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	CNTN2 / Contactin 2
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	23.45 pg/ml
Sample Type	Serum, plasma (EDTA, heparin, citrate) and cell culture supernatants.
Standard Range	46.9 - 3000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 4.4% Inter-Assay CV: 6.7%

Alternate Names TAG-1; AXT; TAX; Contactin-2; TAX-1; TAX1; FAME5; Transient axonal glycoprotein 1; Axonin-1; Axonal glycoprotein TAG-1

Application Instructions

Assay Time ~ 5 hours

Properties

Form 96 well

Storage instruction Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol CNTN2

Gene Full Name contactin 2 (axonal)

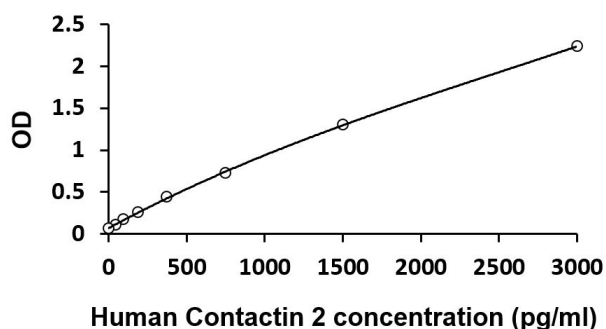
Background The protein encoded by this gene is a member of the immunoglobulin superfamily. It is a glycosylphosphatidylinositol (GPI)-anchored neuronal membrane protein that functions as a cell adhesion molecule. It may play a role in the formation of axon connections in the developing nervous system. It may also be involved in glial tumorigenesis and may provide a potential target for therapeutic intervention. [provided by RefSeq, Jul 2008]

Function In conjunction with another transmembrane protein, CNTNAP2, contributes to the organization of axonal domains at nodes of Ranvier by maintaining voltage-gated potassium channels at the juxtaparanodal region. May be involved in cell adhesion. [UniProt]

Highlight Related products:
[Contactin antibodies](#); [Contactin ELISA Kits](#);
New ELISA data calculation tool:
[Simplify the ELISA analysis by GainData](#)

Cellular Localization Cell membrane; Lipid-anchor, GPI-anchor. Note=Attached to the neuronal membrane by a GPI-anchor and is also released from neurons. [UniProt]

Images



ARG82504 Human CNTN2 / Contactin 2 ELISA Kit standard curve image

ARG82504 Human CNTN2 / Contactin 2 ELISA Kit results of a typical standard run with optical density reading at 450 nm.