

ARG82418 Human Tenascin R ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82418-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82418-002	Standard	2 X 10 ng/vial	4°C
ARG82418-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82418-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82418-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82418-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82418-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82418-008	25X Wash buffer	20 ml	4°C
ARG82418-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82418-010	STOP solution	10 ml (Ready to use)	4°C
ARG82418-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82418 Human Tenascin R ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Tenascin R in serum, plasma (EDTA, heparin) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	Tenascin R
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	78 pg/ml
Sample Type	Serum, plasma (EDTA, heparin) and cell culture supernatants.
Standard Range	156 - 10000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 4.8% Inter-Assay CV: 6.4%

Alternate Names Restrictin; Janusin; Tenascin-R; TN-R

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 TNR

Gene Full Name tenascin R

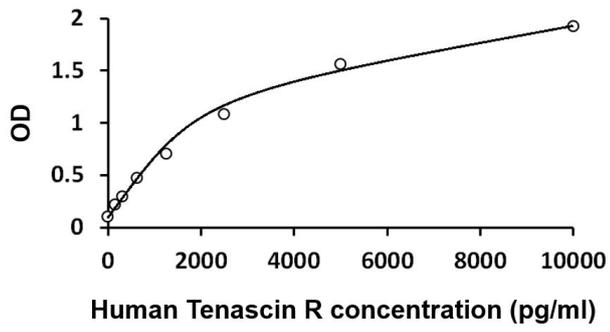
Background This gene encodes a member of the tenascin family of extracellular matrix glycoproteins. The encoded protein is restricted to the central nervous system. The protein may play a role in neurite outgrowth, neural cell adhesion and modulation of sodium channel function. It is a constituent of perineuronal nets. [provided by RefSeq, Aug 2013]

Function Neural extracellular matrix (ECM) protein involved in interactions with different cells and matrix components. These interactions can influence cellular behavior by either evoking a stable adhesion and differentiation, or repulsion and inhibition of neurite growth. Binding to cell surface gangliosides inhibits RGD-dependent integrin-mediated cell adhesion and results in an inhibition of PTK2/FAK1 (FAK) phosphorylation and cell detachment. Binding to membrane surface sulfatides results in a oligodendrocyte adhesion and differentiation. Interaction with CNTN1 induces a repulsion of neurons and an inhibition of neurite outgrowth. Interacts with SCN2B may play a crucial role in clustering and regulation of activity of sodium channels at nodes of Ranvier. TNR-linked chondroitin sulfate glycosaminoglycans are involved in the interaction with FN1 and mediate inhibition of cell adhesion and neurite outgrowth. The highly regulated addition of sulfated carbohydrate structure may modulate the adhesive properties of TNR over the course of development and during synapse maintenance (By similarity). [UniProt]

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

PTM Contains N-linked oligosaccharides, O-linked sialylated structures and O-linked chondroitin sulfate glycosaminoglycans. Contains N-linked oligosaccharides with a sulfated carbohydrate structure (By similarity). O-glycosylated on Thr-36 or Thr-37 with a core 1 or possibly core 8 glycan. [UniProt]

Cellular Localization Secreted, extracellular space, extracellular matrix. [UniProt]



ARG82418 Human Tenascin R ELISA Kit standard curve image

ARG82418 Human Tenascin R ELISA Kit results of a typical standard run with optical density reading at 450 nm.