

Human Tenascin-R ELISA Kit | TNR elisa kit

Human Tenascin-R PicoKine ELISA Kit

CATALOG #
AAA125212

REACTIVITY
Human

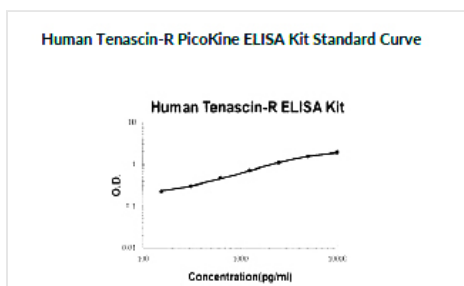
PRODUCT SYNONYMS

Tenascin-R; Human Tenascin-R PicoKine ELISA Kit; Human Tenascin-R; tenascin R; TN-R; Janusin; Restrictin; TNR; TNR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human TNR
Sequence Length	1358
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 TNR elisa kit	Principle of the Assay: The Picokine™ Human TNR Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human TNR with a 96-well strip plate that is pre-coated with antibody specific for TNR. The detection antibody is a biotinylated antibody specific for TNR. The capture antibody is a monoclonal antibody from mouse, the detection antibody is a biotinylated polyclonal antibody from goat. The kit contains recombinant Human TNR with immunogen: Expression system for standard: NSO, Immunogen sequence: Q32-F1358. The kit is analytically validated with ready to use reagents. To measure Human TNR, 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 TNR 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 TNR in the sample.!!Background/Introduction: Tenascin-R is a protein that in humans is encoded by the TNR gene. This gene is mapped to 1q25.1. Tenascin-R (TNR) is an extracellular matrix protein expressed primarily in the central nervous system. It is a member of the tenascin (TN) gene family, which includes at least 3 genes in mammals: TNC (or hexabrachion), TNX (TNXB), and TNR. The genes are expressed in distinct tissues at different times during embryonic development and are present in adult tissues. 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	157384973
NCBI GeneID	7143
NCBI Accession #	NP_003276.3
NCBI GenBank Nucleotide #	NP_003276.3
UniProt Accession #	Q92752
NCBI Official Full Name	tenascin-R isoform 1
NCBI Official Synonym Full Names	tenascin R
NCBI Official Symbol	TNR
NCBI Official Synonym Symbols	TN-R
NCBI Protein Information	tenascin-R
UniProt Protein Name	Tenascin-R
UniProt Gene Name	TNR
UniProt Synonym Gene Names	TN-R
UniProt Entry Name	TENR_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/tnr-human-elisa-kits/tenascin-r/125212>