

Human TCN2 ELISA Kit | TCN2 elisa kit

Human TCN2 PicoKine ELISA Kit

CATALOG #
AAA125247

REACTIVITY
Human

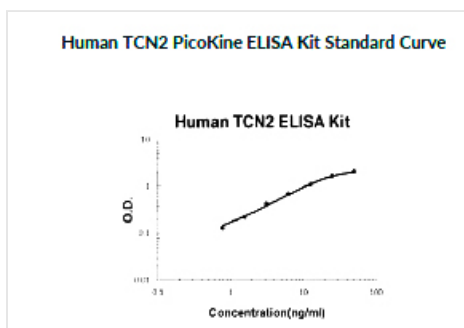
PRODUCT SYNONYMS

TCN2; Human TCN2 PicoKine ELISA Kit; Human TCN2; transcobalamin 2; Transcobalamin-2; TC-2; Transcobalamin II; TC II; TCII; TC2; TCN2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human TCN2
Sequence Length	400
Samples	Cell culture supernates, serum, plasma (heparin, EDTA) and urine
Detection Range	0.78ng/ml-50ng/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 TCN2 elisa kit	Principle of the Assay: The Picokine™ Human TCN2 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human TCN2 with a 96-well strip plate that is pre-coated with antibody specific for TCN2. The detection antibody is a biotinylated antibody specific for TCN2. The capture antibody is a monoclonal antibody from mouse, the detection antibody is a biotinylated polyclonal antibody from goat. The kit contains recombinant Human TCN2 with immunogen: Expression system for standard: NSO, Immunogen sequence: E19-W427. The kit is analytically validated with ready to use reagents. To measure Human TCN2, 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 TCN2 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 TCN2 in the sample.!!Background/Introduction: TCN2 (Transcobalamin II; also TC-2 or TC) is a 42-44 kDa, monomeric, secreted member of the eukaryotic cobalamin transport family of molecules. This gene is mapped to 22q12.2. This gene encodes a member of the vitamin B12-binding protein family. This family of proteins, alternatively referred to as R binders, is expressed in various tissues and secretions. This plasma protein binds cobalamin and mediates the transport of cobalamin into cells. This protein and other mammalian cobalamin-binding proteins, such as transcobalamin I and gastric intrinsic factor, may have evolved by duplication of a common ancestral gene. Alternative splicing results in multiple transcript variants.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	296080704
NCBI GeneID	6948
NCBI Accession #	NP_001171655.1
NCBI GenBank Nucleotide #	NP_001171655.1
UniProt Accession #	P20062
NCBI Official Full Name	transcobalamin-2 isoform 2
NCBI Official Synonym Full Names	transcobalamin 2
NCBI Official Symbol	TCN2
NCBI Official Synonym Symbols	II; TC; TC2; TC-2; TCII; TC II; D22S676; D22S750
NCBI Protein Information	transcobalamin-2
UniProt Protein Name	Transcobalamin-2
UniProt Gene Name	TCN2
UniProt Synonym Gene Names	TC2; TC-2; TC II; TCII
UniProt Entry Name	TCO2_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.