

Human Transcription factor 7-like 2 ELISA Kit | TCF7L2 elisa kit

Human Transcription factor 7-like 2 ELISA Kit

CATALOG #
AAA100960

REACTIVITY
Human

PRODUCT SYNONYMS

Transcription factor 7-like 2; Human Transcription factor 7-like 2 ELISA Kit; TCF7L2/HMG box transcription factor 4/T-cell-specific transcription factor 4/T-cell factor 4/TCF-4/hTCF-4/TCF7L2/TCF4; TCF7L2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of TCF4. No significant cross-reactivity or interference between TCF4 and analogues was observed.
Sequence Length	598
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	78.125-5000pg/ml
Sensitivity	46.875pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level TCF4 were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level TCF4 were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard run of a TCF7L2 ELISA KIT are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	pg/ml	0	78.125	156.25	312.5	625	1250	2500	5000
Y	OD450	0.006	0.248	0.404	0.794	1.31	1.723	2.07	2.496

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TCF7L2 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-TCF4 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-TCF4 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the TCF4 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of TCF4 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	300796408
NCBI GeneID	679869
NCBI Accession #	NP_001177981.1
NCBI GenBank Nucleotide #	NM_001191052.1
NCBI Official Full Name	transcription factor 7-like 2
NCBI Official Synonym Full Names	transcription factor 7 like 2
NCBI Official Symbol	Tcf7l2
NCBI Protein Information	transcription factor 7-like 2

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/tcf7l2-human-elisa-kits/transcription-factor-7-like-2/100960>