

Human Transcriptional repressor CTCFL ELISA Kit | CTCFL elisa kit

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CATALOG #
AAA100875

REACTIVITY
Human

PRODUCT SYNONYMS

Transcriptional repressor CTCFL; Human Transcriptional repressor CTCFL ELISA Kit; CTCFL/Zinc finger protein CTCF-T/Cancer/testis antigen 27 (CT27)/CTCF-like protein/CTCF paralog/Brother of the regulator of imprinted sites/CCCTC-binding factor; CTCFL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CTCFL . No significant cross-reactivity or interference between CTCFL and analogues was observed.
Sequence Length	636
Assay Type	Competitive ELISA, Coated with Antigen
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CTCFL 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 CTCFL 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 CTCFL 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	ng/ml	0	0.312	0.625	1.25	2.5	5	10	20
Y	OD450	0.01	0.094	0.213	0.493	0.869	1.251	1.969	2.171

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CTCFL elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-CTCFL antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- CTCFL antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash 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 CTCFL amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of CTCFL can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	124487069
NCBI GeneID	664799
NCBI Accession #	NP_001074856.1
NCBI GenBank Nucleotide #	NM_001081387.2
Molecular Weight	74,098 Da
NCBI Official Full Name	transcriptional repressor CTCFL
NCBI Official Synonym Full Names	CCCTC-binding factor (zinc finger protein)-like
NCBI Official Symbol	Ctcf1
NCBI Official Synonym Symbols	Boris; OTTMUSG00000016680
NCBI Protein Information	transcriptional repressor CTCFL
UniProt Protein Name	Transcriptional repressor CTCFL
UniProt Gene Name	Ctcf1
UniProt Synonym Gene Names	Boris
UniProt Entry Name	CTCFL_MOUSE

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/human-elisa-kits/transcriptional-repressor-ctcf1/100875>