

Human Alpha globin transcription factor CP2 (TFCP2) ELISA Kit | TFCP2 elisa kit

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CATALOG #
AAA244906

REACTIVITY
Human

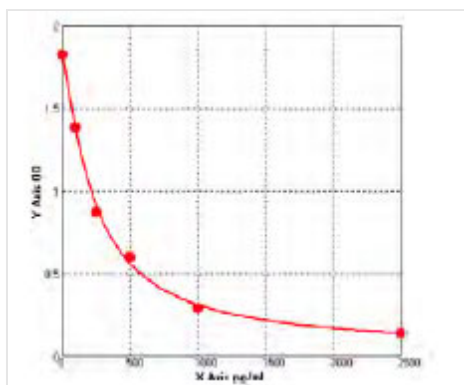
PRODUCT SYNONYMS

Alpha globin transcription factor CP2 (TFCP2); Human Alpha globin transcription factor CP2 (TFCP2) ELISA Kit; TFCP2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of TFCP2. No significant cross-reactivity or interference between TFCP2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between TFCP2 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TFCP2 elisa kit	Intended Uses: This TFCP2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human TFCP2. This ELISA kit for research use only! Principle of the Assay: TFCP2 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-TFCP2 antibody and an TFCP2-HRP conjugate. The assay sample and buffer are incubated together with TFCP2-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the TFCP2 concentration since TFCP2 from samples and TFCP2-HRP conjugate compete for the anti-TFCP2 antibody binding site. Since the number of sites is limited, as more sites are occupied by TFCP2 from the sample, fewer sites are left to bind TFCP2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TFCP2 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for TFCP2 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	291219876
NCBI GeneID	7024
NCBI Accession #	NP_001166924.1
NCBI GenBank Nucleotide #	NM_001173453.1
Molecular Weight	57,185 Da
NCBI Official Full Name	alpha-globin transcription factor CP2 isoform 3
NCBI Official Synonym Full Names	transcription factor CP2
NCBI Official Symbol	TFCP2
NCBI Official Synonym Symbols	LSF; SEF; LBP1C; LSF1D; TFCP2C
NCBI Protein Information	alpha-globin transcription factor CP2; SAA3 enhancer factor
UniProt Protein Name	Alpha-globin transcription factor CP2
UniProt Gene Name	TFCP2
UniProt Synonym Gene Names	LSF; SEF
UniProt Entry Name	TFCP2_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/human-elisa-kits/alpha-globin-transcription-factor-cp2-tfcp2/244906>