

Rat Transcription factor 4 (TCF4) ELISA Kit | TCF4 elisa kit

Rat Transcription factor 4 (TCF4) ELISA Kit

CATALOG #
AAA244883

REACTIVITY
Rat

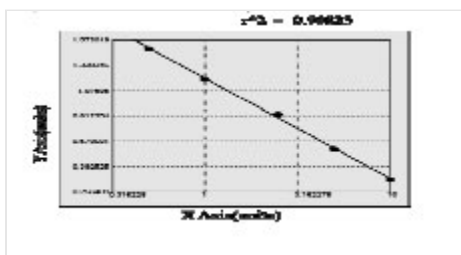
PRODUCT SYNONYMS

Transcription factor 4 (TCF4); Rat Transcription factor 4 (TCF4) ELISA Kit; TCF4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TCF4 elisa kit

Intended Uses: This TCF4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat TCF4. This ELISA kit for research use only!

Principle of the Assay: TCF4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-TCF4 antibody and an TCF4-HRP conjugate. The assay sample and buffer are incubated together with TCF4-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 TCF4 concentration since TCF4 from samples and TCF4-HRP conjugate compete for the anti-TCF4 antibody binding site. Since the number of sites is limited, as more sites are occupied by TCF4 from the sample, fewer sites are left to bind TCF4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TCF4 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for TCF4 elisa kit

[Epigenetics and Nuclear Signaling](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	3915747
NCBI GeneID	6925
Molecular Weight	48,098 Da
NCBI Official Full Name	Transcription factor 4
NCBI Official Synonym Full Names	transcription factor 4
NCBI Official Symbol	TCF4
NCBI Official Synonym Symbols	E2-2; ITF2; PTHS; SEF2; ITF-2; SEF-2; TCF-4; SEF2-1; SEF2-1A; SEF2-1B; SEF2-1D; bHLHb19
NCBI Protein Information	transcription factor 4; SL3-3 enhancer factor 2; transcription factor 4, isoform C; transcription factor 4, isoform D; transcription factor 4, isoform E; transcription factor 4, isoform R; immunoglobulin transcription factor 2; class B basic helix-loop-helix protein 19
UniProt Protein Name	Transcription factor 4
UniProt Gene Name	TCF4
UniProt Synonym Gene Names	BHLHB19; ITF2; SEF2; TCF-4; bHLHb19; ITF-2; SEF-2
UniProt Entry Name	ITF2_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/transcription-factor-4-tcf4/244883>