

Bovine T-box transcription factor TBX21 ELISA Kit | TBX21 elisa kit

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CATALOG #
AAA94622

REACTIVITY
Bovine

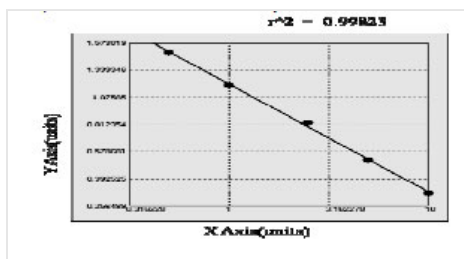
PRODUCT SYNONYMS

T-box transcription factor TBX21; Bovine T-box transcription factor TBX21 ELISA Kit; TBX21 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Competitive (Quantitative)
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 TBX21 elisa kit

Intended Uses: This TBX-21 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine TBX-21. This ELISA kit for research use only!

Principle of the Assay: TBX-21 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-TBX-21 antibody and an TBX-21-HRP conjugate. The assay sample and buffer are incubated together with TBX-21-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 TBX-21 concentration since TBX-21 from samples and TBX-21-HRP conjugate compete for the anti-TBX-21 antibody binding site. Since the number of sites is limited, as more sites are occupied by TBX-21 from the sample, fewer sites are left to bind TBX-21-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TBX-21 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for TBX21 elisa kit

Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	7019549
NCBI GeneID	30009
NCBI Accession #	NP_037483.1
NCBI GenBank Nucleotide #	NM_013351.1
Molecular Weight	58,328 Da
NCBI Official Full Name	T-box transcription factor TBX21
NCBI Official Synonym Full Names	T-box 21
NCBI Official Symbol	TBX21
NCBI Official Synonym Symbols	TBET; T-PET; T-bet; TBLYM
NCBI Protein Information	T-box transcription factor TBX21; T-box protein 21; T-box expressed in T cells; transcription factor TBLYM; T-cell-specific T-box transcription factor T-bet
UniProt Protein Name	T-box transcription factor TBX21
UniProt Gene Name	TBX21
UniProt Synonym Gene Names	TBET; TBLYM; T-box protein 21
UniProt Entry Name	TBX21_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/bovine-ovine-elisa-kits/t-box-transcription-factor-tbx21/94622>