

Bovine Thyroid transcription factor 1 ELISA Kit | TTF-1 elisa kit

Bovine Thyroid transcription factor 1 ELISA Kit

CATALOG #
AAA94210

REACTIVITY
Bovine

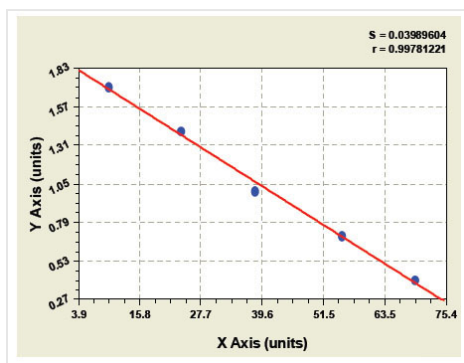
PRODUCT SYNONYMS

Thyroid transcription factor 1; Bovine Thyroid transcription factor 1 ELISA Kit; TTF-1 elisa kit

PRODUCT SPECIFICATIONS

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

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TTF-1 elisa kit

Intended Uses: This TTF-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine TTF-1. This ELISA kit for research use only!

Principle of the Assay: TTF-1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-TTF-1 antibody and an TTF-1-HRP conjugate. The assay sample and buffer are incubated together with TTF-1-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 TTF-1 concentration since TTF-1 from samples and TTF-1-HRP conjugate compete for the anti-TTF-1 antibody binding site. Since the number of sites is limited, as more sites are occupied by TTF-1 from the sample, fewer sites are left to bind TTF-1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TTF-1 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for TTF-1 elisa kit

Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	695583
UniProt Accession #	P43699; O14954; O14955; Q7KZF6; Q9BRJ8; D3DSA3
Molecular Weight	41,737 Da
NCBI Official Full Name	thyroid transcription factor 1
UniProt Protein Name	Homeobox protein Nkx-2.1
UniProt Gene Name	NKX2-1
UniProt Synonym Gene Names	NKX2A; TITF1; TTF1; TTF-1; T/EBP
UniProt Entry Name	NKX21_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/ttf-1-bovine-ovine-elisa-kits/thyroid-transcription-factor-1/94210>