

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

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CATALOG #
AAA94968

REACTIVITY
Rat

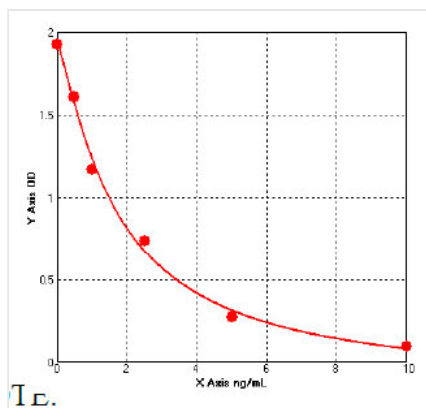
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of TTF-1. No significant cross-reactivity or interference between TTF-1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between TTF-1 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
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	Principle of the Assay: TTF-1 ELISA kit applies the competitive enzyme immunoassay technique utilizing an 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. Intended Uses: This TTF-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat TTF-1. This ELISA kit for research use only, not for therapeutic or test applications!
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-rat-elisa-kits/thyroid-transcription-factor-1/94968>