

Rat Transferrin Receptor ELISA Kit | TFR elisa kit

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CATALOG #
AAA16640

REACTIVITY
Rat

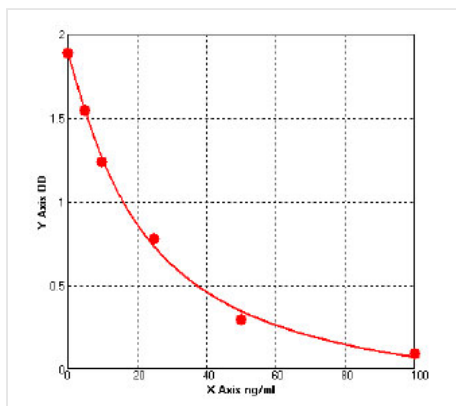
PRODUCT SYNONYMS

Transferrin Receptor; Rat Transferrin Receptor ELISA Kit; TFR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of TFR. No significant cross-reactivity or interference between TFR and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between TFR 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	1.0 ng/mL
Intended Uses	This TFR ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat TFR. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TFR elisa kit	Principle of the Assay: TFR ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-TFR antibody and an TFR-HRP conjugate. The assay sample and buffer are incubated together with TFR-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 TFR concentration since TFR from samples and TFR-HRP conjugate compete for the anti-TFR antibody binding site. Since the number of sites is limited, as more sites are occupied by TFR from the sample, fewer sites are left to bind TFR-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TFR concentration in each sample is interpolated from this standard curve. Intended Uses: This TFR ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat TFR. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for TFR elisa kit	Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	339516
NCBI GeneID	7037
Molecular Weight	84,871 Da
NCBI Official Full Name	transferrin receptor
NCBI Official Synonym Full Names	transferrin receptor
NCBI Official Symbol	TFRC
NCBI Official Synonym Symbols	T9; TR; TFR; p90; CD71; TFR1; TRFR
NCBI Protein Information	transferrin receptor protein 1; transferrin receptor (p90, CD71)
UniProt Protein Name	Transferrin receptor protein 1
UniProt Gene Name	TFRC
UniProt Synonym Gene Names	TR; TfR; TfR1; Trfr; sTfR
UniProt Entry Name	TFR1_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/tfr-rat-elisa-kits/transferrin-receptor/16640>