

Rat Transferrin Receptor ELISA Kit | TFR elisa kit

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CATALOG #
AAA100642

REACTIVITY
Rat

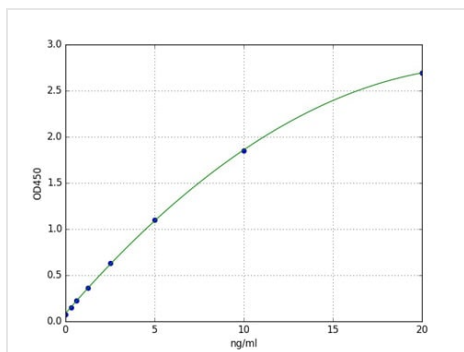
PRODUCT SYNONYMS

Transferrin Receptor; Rat Transferrin Receptor ELISA Kit; TFR/CD71/TFRC/TFR1/TRFR/CD71 antigen/CD71TRFR/p90/T9/TfR/TfR1/TR/transferrin receptor (p90; CD71)/transferrin receptor protein 1/Trfr/; TFR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	760
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Rat TFR ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.313	0.625	1.25	2.5	5	10	20
Y	OD450	0.016	0.029	0.394	0.707	0.923	1.673	1.983	2.276

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TFR elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat TFR antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat TFR antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Rat TFR amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat TFR can be calculated.

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; IMD46
NCBI Protein Information	transferrin receptor protein 1
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://www.aaabiotech.com/tfr-rat-elisa-kits/transferrin-receptor/100642>