

Bovine Transferrin Receptor ELISA Kit | TFR elisa kit

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CATALOG #
AAA89733

REACTIVITY
Bovine

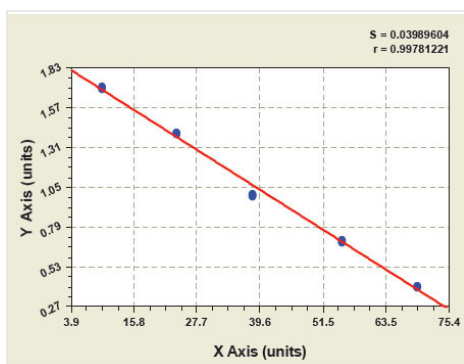
PRODUCT SYNONYMS

Transferrin Receptor; Bovine Transferrin Receptor ELISA Kit; TFR 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.
Intended Uses	This TFR ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine 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 monoclonal 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.

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-bovine-ovine-elisa-kits/transferrin-receptor/89733>