

Rat Transferrin ELISA Kit | TF elisa kit

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CATALOG #
AAA86585

REACTIVITY
Rat

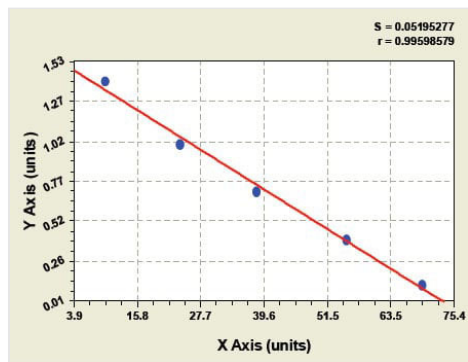
PRODUCT SYNONYMS

Transferrin; Rat Transferrin ELISA Kit; TF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25mg/mL
Sensitivity	0.1mg/ml
Intended Uses	This Transferrin ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat Transferrin. 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 TF elisa kit

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	248648
NCBI GeneID	7018
Molecular Weight	77,064 Da
NCBI Official Full Name	transferrin
NCBI Official Synonym Full Names	transferrin
NCBI Official Symbol	TF
NCBI Official Synonym Symbols	TFQTL1; PRO1557; PRO2086
NCBI Protein Information	serotransferrin; siderophilin; beta-1 metal-binding globulin
UniProt Protein Name	Serotransferrin
UniProt Gene Name	TF
UniProt Synonym Gene Names	PRO1400; Transferrin
UniProt Entry Name	TRFE_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/tf-rat-elisa-kits/transferrin/86585>