

Mouse Transferrin ELISA Kit | TF elisa kit

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CATALOG # AAA76931	REACTIVITY Mouse
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PRODUCT SYNONYMS

Transferrin; Mouse Transferrin ELISA Kit; Mouse Transferrin; TF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Immunoperoxidase Assay for Determination of Transferrin in Mouse Samples
Assay Type	Sandwich
Intended Uses	The Transferrin test kit is a highly sensitive two-site enzyme linked immunoassay (ELISA) for measuring Transferrin in biological samples of mice.
Preparation and Storage	Store at 4 degree C.

ADDITIONAL INFORMATION

Related Product Information for TF elisa kit	Principle of the Assay: The principle of the double antibody sandwich ELISA is represented in Figure 1. In this assay the Transferrin present in samples reacts with the anti-Transferrin antibodies which have been adsorbed to the surface of polystyrene microtitre wells. After the removal of unbound proteins by washing, anti-Transferrin antibodies conjugated with horseradish peroxidase (HRP), are added. These enzyme-labeled antibodies form complexes with the previously bound Transferrin. Following another washing step, the enzyme bound to the immunosorbent is assayed by the addition of a chromogenic substrate, 3,3',5,5'-tetramethylbenzidine (TMB). The quantity of bound enzyme varies directly with the concentration of Transferrin in the sample tested; thus, the absorbance, at 450 nm, is a measure of the concentration of Transferrin in the test sample. The quantity of Transferrin in the test sample can be interpolated from the standard curve constructed from the standards, and corrected for sample dilution. Background: Transferrin is a metal-combining protein that reversibly bound to acid-soluble iron in plasma. It functions to transport iron to the bone marrow and to tissue storage organs such as the liver. Transferrin also participate in the regulation and control of iron absorption and protects against iron intoxication. Like haptoglobin, the carrier of hemoglobin, transferrin is synthesized in the liver, but unlike haptoglobin transferrin is returned to the circulation after unloading its iron in the reticuloendothelial system. This ELISA kit can be used to measure transferrin in serum, tissue extracts and other biological fluids.
Product Categories/Family for TF elisa kit	ELISA Kit

NCBI AND UNIPROT INFORMATION

NCBI GI #	248648
NCBI GeneID	7018
UniProt Accession #	P02787; O43890; Q1HBA5; Q9NQB8; Q9UHV0; Q06AH7; Q53H26; Q9UHS1
Molecular Weight	77,064 Da
NCBI Official Full Name	transferrin

NCBI Official Synonym Full Names	transferrin
NCBI Official Symbol	TF
NCBI Official Synonym Symbols	PRO1557; PRO2086; DKFZp781D0156
NCBI Protein Information	serotransferrin; siderophilin; OTTHUMP00000197155; beta-1 metal-binding globulin
UniProt Protein Name	Serotransferrin
UniProt Gene Name	TF
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/mouse-elisa-kits/transferrin/76931>