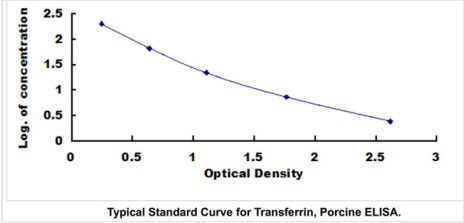
Transferrin (TF) ELISA Kit for Pig

PRODUCT OVERVIEW

Product Name	Transferrin (TF), ELISA Kit
Full Product Name	Pig Transferrin (TF) (Competitive ELISA) ELISA Kit
Product Gene Name	TF elisa kit
Product Synonym Names	TRF; Siderophilin; Serotransferrin; Beta-1 metal-binding globulin; ELISA Kit for Transferrin (TF)
Species Reactivity	Pig
Assay Type	Quantitative Competitive
Samples	Porcine serum, plasma and other biological fluids
Detection Range	2.47-200ug/mL
Sensitivity	< 0.91ug/mL
Specificity	This assay has high sensitivity and excellent specificity for detection of transferrin. No significant cross-reactivity or interference between transferrin and analogues was observed.
Preparation and Storage	4 degree C for 1 month/ -20 degree C for long-term(within shelf life). Shelf life is one year
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level transferrin were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level transferrin were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
3D Structure	ModBase 3D Structure for P09571
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Product Categories/Family for TF elisa kit	Tumor immunity
ISO Certification	Manufactured in an ISO 9001:2008 and ISO 13485:2003 Certified Laboratory.
Related Product Information for TF elisa kit	Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to transferrin has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled transferrin and unlabeled transferrin (Standards or samples) with the pre-coated antibody specific to transferrin. After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of transferrin in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of transferrin in the sample. Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of transferrin in porcine serum, plasma and other biological fluids.
Other Notes	Small volumes of TF elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for TF purchase	MBS2710182 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Transferrin (TF) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing TF. The ELISA analytical biochemical technique of the MBS2710182 kit is based on TF antibody-TF antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect TF antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, TF. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).



Typical Standard Curve for Transferrin, Porcine ELISA.

Typical Testing Data/Standard Curve (for reference only) of TF elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TF. It may not necessarily be applicable to this product.

UniProt Primary Accession #	P09571
UniProt Protein Name	Serotransferrin
UniProt Synonym Protein Names	Beta-1 metal-binding globulin; Siderophilin
Protein Family	Transferrin
UniProt Gene Name	TF
UniProt Synonym Gene Names	Transferrin
UniProt Comments for TF	Transferrins are iron binding transport proteins which can bind two Fe3+ ions in association with the binding of an anion, usually bicarbonate. It is responsible for the transport of iron from sites of absorption and heme degradation to those of storage and utilization. Serum transferrin may also have a further role in stimulating cell proliferation.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/tf-pig-elisa-kits/transferrin/2710182