# Transferrin (TRF) Antibody Pair Kit for Human

## PRODUCT OVERVIEW

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| **Product Name** | Transferrin (TRF), Antibody Pair Kit |
| **Full Product Name** | Human Transferrin (TRF) Antibody Pair Kit (with Standard) |
| **Product Gene Name** | TRF antibody pair kit |
| **Product Synonym Names** | TF; Siderophilin; Serotransferrin; Beta-1 metal-binding globulin |
| **Species Reactivity** | Human |
| **Samples** | Serum, Plasma, Tissue Homogenates, Cell Lysates, Cell Culture Supernates and Other Biological Fluids |
| **Detection Range** | 3.12-200ng/mL |
| **Molecular Weight** | 77,064 Da |
| **OMIM** | M12530 mRNA |
| **Supply Chain Verification** | Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire. |
| **Standard** | Recombinant TRF (Lyophilized, 1 vial-10ug) |
| **Capture Antibody** | Rabbit polyclonal antibody (Liquid, 1 vial-400mug/800muL) |
| **Detection Antibody** | Biotinylated Rabbit polyclonal antibody (Liquid, 1 vial-100mug/500muL) |
| **Producte Usage** | Raw materials can be used for preparation of 5x96T or 10x96T ELISA Kits. |
| **Antibody Support Pack** | Antibody Support Pack (Buffer Pack) is sold separately as catalog #MBS2090685 |
| **Product Categories/Family for TRF antibody pair kit** | Tumor immunity; Infection immunity; Immune molecule |
| **ISO Certification** | Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory. |
| **Applications Tested/Suitable for TRF antibody pair kit** | ELISA (EIA), Chemiluminescence Immunoassays (CLIA), ELISPOT, Luminex |
| **Related Product Information for TRF antibody pair kit** | MBS2090249 is an antibody pair kit targeting TRF. Also known as Human Transferrin (TRF) Antibody Pair Kit (with Standard). Reactive in Human. |
| **Other Notes** | Small volumes of TRF antibody pair 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. |

## ADDITIONAL DETAILS

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

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| **NCBI GI #** | 339453 |
| **NCBI GeneID** | 7018 |
| **NCBI Accession #** | AAA61140.1 |
| **UniProt Secondary Accession #** | O43890; Q1HBA5; Q9NQB8; Q9UHV0 |
| **UniProt Related Accession #** | P02787 |

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| **NCBI Official Full Name** | transferrin |
| **NCBI Official Synonym Full Names** | transferrin |
| **NCBI Official Symbol** | TF |
| **NCBI Official Synonym Symbols** | TFQTL1; PRO1557; PRO2086; HEL-S-71p |
| **UniProt Protein Name** | Serotransferrin |
| **UniProt Synonym Protein Names** | Beta-1 metal-binding globulin; Siderophilin |
| **Protein Family** | TBP-related factor |
| **UniProt Gene Name** | TF |
| **UniProt Synonym Gene Names** | Transferrin |
| **NCBI Protein Information** | serotransferrin |
| **NCBI Summary for TRF** | This gene encodes a glycoprotein with an approximate molecular weight of 76.5 kDa. It is thought to have been created as a result of an ancient gene duplication event that led to generation of homologous C and N-terminal domains each of which binds one ion of ferric iron. The function of this protein is to transport iron from the intestine, reticuloendothelial system, and liver parenchymal cells to all proliferating cells in the body. This protein may also have a physiologic role as granulocyte/pollen-binding protein (GPBP) involved in the removal of certain organic matter and allergens from serum. [provided by RefSeq, Sep 2009] |
| **UniProt Comments for TRF** | 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. |
| **Research Articles on TRF** | **1.** The RNAi knock-down of Trypanosoma brucei GSK3beta reduced Tf endocytosis. |
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