Transferrin (TF) Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	Transferrin (TF), Monoclonal Antibody
Full Product Name	Transferrin Mouse mAb (4H1)
Product Gene Name	anti-TF antibody
Product Synonym Names	Apotransferrin; beta 1 metal binding globulin; serotransferrin; TF
Clonality	Monoclonal
Isotype	IgG1
Clone Number	4H1-9B6-9A2
Host	Mouse
Species Reactivity	Human
Form/Format	PBS (pH 7.4) containing with 0.02% Sodium Azide and 50% Glycerol.
Purity/Purification	Affinity Purified
Preparation and Storage	Store at 4 degree C short term. Store at -20 degree C long term. Avoid freeze/thaw cycle.
Molecular Weight	77kDa
OMIM	190000
3D Structure	ModBase 3D Structure for P02787
Immunogen	Purified recombinant protein expressed in E Coli.
Cellular Localization	Secreted
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-TF antibody	Immunohistochemistry (IHC), ELISA (EIA)
Application Notes for anti-TF antibody	IHC: 1:100-200 ELISA: 1:10,000-50,000
Related Product Information for anti-TF antibody	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.
Other Notes	Small volumes of anti-TF antibody 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	MBS8539919 is an antibody targeting TF. Also known as Transferrin Mouse mAb (4H1). Reactive in Human. Host: Mouse.

ADDITIONAL DETAILS

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

NCBI GI #	339453
NCBI GeneID	7018

NCBI Accession #	AAA61140.1
UniProt Primary Accession #	P02787
UniProt Related Accession #	P02787
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	Transferrin
UniProt Gene Name	TF
UniProt Synonym Gene Names	Transferrin
UniProt Entry Name	TRFE_HUMAN
NCBI Protein Information	serotransferrin
NCBI Summary for TF	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 TF	TF: Transferrins are iron binding transport proteins which can bind two Fe(3+) 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. Defects in TF are the cause of atransferrinemia (ATRAF). Atransferrinemia is rare autosomal recessive disorder characterized by iron overload and hypochromic anemia. Belongs to the transferrin family. Protein type: Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 3q22.1 Cellular Component: extracellular space; cell surface; early endosome; cytoplasmic membrane-bound vesicle; extracellular region; coated pit; recycling endosome; endocytic vesicle; perinuclear region of cytoplasm; apical plasma membrane; late endosome; basal plasma membrane; endosome membrane; vesicle Molecular Function: protein binding; ferric iron binding; ubiquitin protein ligase binding Biological Process: platelet activation; retinal homeostasis; platelet degranulation; cellular iron ion homeostasis; transferrin transport; blood coagulation; transmembrane transport Disease: Atransferrinemia
Research Articles on TF	**1.** Results suggest that the changes in carbohydrate-deficient transferrin and anti-citrullinated peptides concentrations are not associated with oneself and indicate on the independence of these posttranslational modifications in rheumatoid arthritis (RA). Only the alterations in transferrin glycosylation reflected the activity of RA.
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/monoclonal-tf-human-antibody/transferrin/8539919