Transferrin (TF) Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	Transferrin (TF), Monoclonal Antibody
Full Product Name	Transferrin (TF, Serotransferrin, Beta-1 Metal-binding Globulin, PRO1400, PRO1557, PRO2086, Siderophilin, DKFZp781D0156) (AP)
Product Gene Name	anti-TF antibody
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	1C2
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human TF.
Preparation and Storage	Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only pri to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial prior to removing the cap
Immunogen	Partial recombinant corresponding to aa551-650 from human TF (AAH59367) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	FVKHQTVPQNTGGKNPDPWAKNLNEKDYELLCLDGTRKPVEEYANCHLARAPNHAVVTRKDKEACVHKILRQQQHLFGSNVTDCSGNFCLFRSETKDLI
Conjugate	AP
Product Categories/Family for anti-TF antibody	Antibodies; Transferrin
Applications Tested/Suitable for anti-TF antibody	ELISA (EIA), Western Blot (WB)
Application Notes for anti-TF antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-TF antibody	Transferrin is an iron binding glycoprotein which plays an important role in transporting iron from the intestine, reticuloendothelial system, and liver parenchymal cells to all proliferating cells in the body.
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	MBS6134297 is an antibody targeting TF. Also known as Transferrin (TF, Serotransferrin, Beta-1 Metal-binding Globulin, PRO1400, PRO1557, PRO2086, Siderophilin, DKFZp781D0156) (AP). 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 #	37747854
NCBI GeneID	7018
NCBI Accession #	BC059367
NCBI Related Accession #	AAH59367
UniProt Related Accession #	P02787
NCBI Official Full Name	Homo sapiens transferrin, mRNA
NCBI Official Synonym Full Names	transferrin
NCBI Official Symbol	TF
NCBI Official Synonym Symbols	TFQTL1; PRO1557; PRO2086; HEL-S-71p
Protein Family	Transferrin
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]
Research Articles on TF	**1.** Transferrin receptor 1 (TfR1) mediates cellular uptake of holo-Tf and H-ferritin; New World arenaviruses and Plasmodium vivax use TfR1 for entry into host cells. In hepatocytes, TfR2 forms a complex with HFE and serves as an iron sensor. In erythroblasts, TfR2 forms a complex with EPO receptor and regulates erythropoiesis.
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