

TF / Transferrin Antibody

Mouse Monoclonal Antibody Catalog # ALS14470

Specification

TF / Transferrin Antibody - Product Information

Application WB, IHC
Primary Accession P02787
Reactivity Human
Host Mouse
Clonality Monoclonal
Calculated MW 77kDa KDa

TF / Transferrin Antibody - Additional Information

Gene ID 7018

Other Names

Serotransferrin, Transferrin, Beta-1 metal-binding globulin, Siderophilin, TF

Reconstitution & Storage

May be stored at 4°C for short-term. Aliquot to avoid repeated freezing and thawing. Store at -20°C. Aliquots are stable for 12 months.

Precautions

TF / Transferrin Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

TF / Transferrin Antibody - Protein Information

Name TF (HGNC:11740)

Function

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. (Microbial infection) Serves as an iron source for parasite T.brucei (strain 427), which capture TF via its own transferrin receptor ESAG6:ESAG7 and extract its iron for its own use.

Cellular Location

Secreted.

Tissue Location

Expressed by the liver and secreted in plasma.

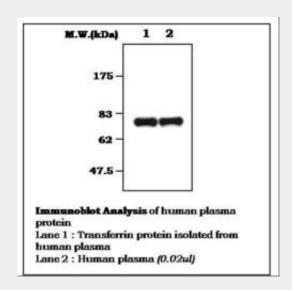


TF / Transferrin Antibody - Protocols

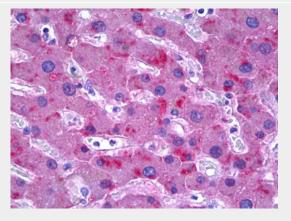
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

TF / Transferrin Antibody - Images



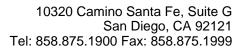
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Anti-TF / Transferrin antibody IHC of human liver.

TF / Transferrin Antibody - Background

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TF / Transferrin Antibody - References

Yang F.,et al.Proc. Natl. Acad. Sci. U.S.A. 81:2752-2756(1984). Schaeffer E.,et al.Gene 56:109-116(1987). Hershberger C.L.,et al.Ann. N. Y. Acad. Sci. 646:140-154(1991). Beutler E.,et al.Blood 96:4071-4074(2000). Muzny D.M.,et al.Nature 440:1194-1198(2006).