

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

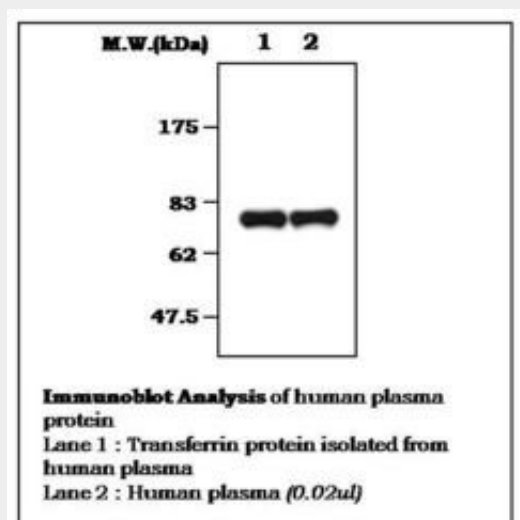
Expressed by the liver and secreted in plasma.

TF / Transferrin Antibody - Protocols

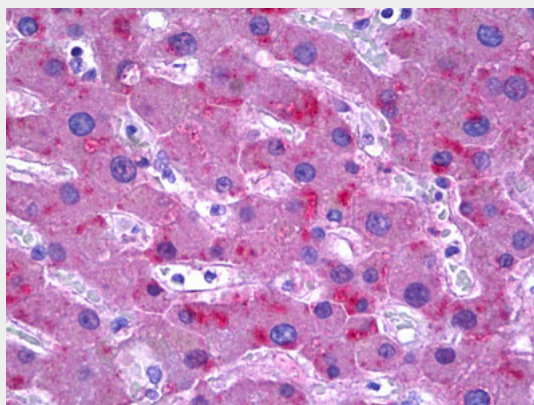
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TF / Transferrin Antibody - Images



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Anti-TF / Transferrin antibody IHC of human liver.

TF / Transferrin Antibody - Background

Transferrins are iron binding transport proteins which can bind two $\text{Fe}(3+)$ 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.

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).