

**TF / Transferrin Antibody (N-Terminus)**  
**Mouse Monoclonal Antibody**  
**Catalog # ALS14469****Specification**

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**TF / Transferrin Antibody (N-Terminus) - Product Information**

Application	IHC
Primary Accession	<a href="#">P02787</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	77kDa KDa

**TF / Transferrin Antibody (N-Terminus) - Additional Information****Gene ID** 7018**Other Names**

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

**Target/Specificity**

Reacts with the N-terminal domain of human transferrin,  $K_d = 2.85 \times 10^{-11}$  M. Does not cross-react with mouse, rabbit, or bovine transferrin, nor with human lactoferrin.

**Reconstitution & Storage**

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

**Precautions**

TF / Transferrin Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

**TF / Transferrin Antibody (N-Terminus) - 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.

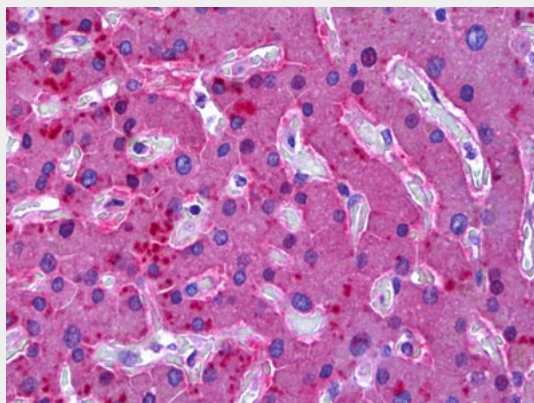
**Volume**  
50 µl

### **TF / Transferrin Antibody (N-Terminus) - 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 (N-Terminus) - Images**



Anti-TF / Transferrin antibody IHC of human liver.

### **TF / Transferrin Antibody (N-Terminus) - Background**

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### **TF / Transferrin Antibody (N-Terminus) - 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).  
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